

SEQUENCE LISTING

<110> Recipon, Herve
Sun, Yongming
Liu, Chenghua
Chen, Sei-Yu
Turner, Leah

<120> Compositions and Methods Relating to Lung Specific
Genes and Proteins

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ctctctcg 667

<210> 16
<211> 615
<212> DNA
<213> Homo sapiens

<400> 16
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gcaaggatca aatcagagaa accaggggaa agtaaacatc tagaaatctt ggtaattttg 180
accagaaggg tagaagtga aagtgtgaaa tgtggaaagt tctgggaagc ttttgaaagt 240
aaagctgaaa gtatttgcgt ttacatttaa ctgtagtgag gtgaagacag tgttacagga 300
tatatccaca ttttctgacc tgaacaacta aaggctctgaa ttttctgagg tgaagaatac 360
tattaaataa aagttttagg tcatagggaa tcaagatact ttttgggaca ttttaatttt 420
gagatgttga gtgaaaatca aagtagaata ttgaatatgc agtttgatat acactttcaa 480
aatttgagaa ataaatttgg gagtaaacat ggcattcttaa agcatgtgac aaaatgatac 540
tactcttgaa gtacaaaaat agattctagt tacataagtc tttagaattc aggagctaga 600
aaaaaaaaa aaggg 615

<210> 17
<211> 1108
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (300)
<223> a, c, g or t

<400> 17
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atatgaatga gagaagcatc aaagtatgta cacattaaaa aaattatatt tcaaaaagtc 180
atgaatttca cagagaaaaa cgaaccacag taagtgttac agggcaggtg gatgagtgtg 240
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aagactagaa ggaaggggagg aacaagtcac atgggtgtat aaggaaaggc actctagaag 360
aagataaata aatgttaacat tcaaaagtc tgccatcttt gtgcattaaa ggagaggaaa 420
agtgctctgt gttgatgtat ttcagaaaaa gaggaggaaa atggtagaaa atgagatcaa 480
gtaggtoact gaaggttttt tagattaaca taagatatct cgttgttttt tcttctgaga 540
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aaacagaaat gtacgaagga tcaaatcaga gaaaccaggg aacagtaaac tactagaaat 660
cttggtatatt ttgaccagaa gggtagaagt gaaagtgtg aaatgtggaa agttctggaa 720
gccttttgaa agtaaaagctg aaagtatttg ctgttacatt taacttgagt gaggtgaaga 780

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cagtgttaca ggatatatcc acattttctg acctgaacaa ctaaaggctc gaatttcctg 840
aggatgaagaa tactattaaa taaaagtttt aggtcatagg gaatcaagat acttttttgg 900
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tatacacttt caaaatttga gaaataaatt tgggagtaaa catggatctt taaagcatgt 1020
gacaaaatga tactactctt gaagtacaaa aatagattct agttacataa gtccttagaa 1080
ttcaggagct agaaaaaaa aaaaaggg 1108
```

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<210> 18
<211> 552
<212> DNA
<213> Homo sapiens
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<220>
<221> unsure
<222> (454)..(480)
<223> a, c, g or t
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tcagacagctc cgaccagaca ggaaattgat ttgtcagctc tacacttaaa aacttaatag 180
tggagaaaca gtattggatt gtctatgttc aatttcacag caatttcctg gcatttagtgt 240
aaggaaacaca aagctatgtg tacttttggc gttgatatta ttttaagctgg tattctaaagc 300
ttatgagcat aaattcttta ttgtttttcg caagtatata catatttgta tgcctctgta 360
gatacatatg taggcatata cattacatgt acataaatat gtaggcatat acattacata 420
tgcatatata aatacatgaa tacatatata tacnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
ctttttacaa ttgattaatg gccaaagatgc cactgcaatg cagttaggaa tatgatgtgt 540
ctgcattccat tg 552
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<210> 19
<211> 307
<212> DNA
<213> Homo sapiens
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<400> 19
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acactgtata gcagtatctt ccaaacctaa acattacagg gatccaatga tctagcactt 180
ccaccccaga tgcatacaca agtacatatg ttactgaaa gtcaagtga agaacgttca 240
aaagagccaa aactagaagc aacacatatg tttatcaaca gttagagatga taaaatatat 300
ttggata 307
```

```
<210> 20
<211> 602
<212> DNA
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<213> Homo sapiens

<400> 20

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tggcttgaac ccaaagtagc ttccaatgt attaatatac cctaaggaaa tatacaatgt 180
aagtggtaac caacaaatgg gtcttcacat tgttgtgtgt ttggaatcct tagaggtaaa 240
aagtatttta tccgctcttt aatgatgaa ctaataactt tccaatatt ggcttcacag 300
agtgtataaa ccataatgaaa atccaaatta acataatgt ttctctccag aaataaactg 360
tacaatgttg acttaacgtg gcagggtggg ccacttgcaa acatgaccta agcaatgaga 420
aattgaattc agggaaattta gttttctctt cttttctctt tttctctctg cctttttggg 480
acaactttcc attgagggag ataaaatatt caggaaaaaa taacttaagg agtcaaaaga 540
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tg 602

<210> 21

<211> 934

<212> DNA

<213> Homo sapiens

<400> 21

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tggcttgaac ccaaagtagc ttccaatgt attaatatac cctaaggaaa tatacaatgt 180
aagtggtaac caacaaatgg gtcttcacat tgttgtgtgt ttggaatcct tagaggtaaa 240
aagtatttta tccgctcttt aatgatgaa ctaataactt tccaatatt ggcttcacag 300
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aattgaattc agggaaattta gttttctctt cttttctctt tttctctctg cctttttggg 480
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agaatatgt ggtgtttgat tgggtgtagt gggagaattt tctttgccta gggactctc 840
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tgcaattcaa gtttatcttc ttgaaatctg gtaa 934

<210> 22

<211> 568

<212> DNA

<213> Homo sapiens

<400> 22

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cactgctac atttcaggtg gtaattttac aaacctctcc atatggcttg ccctaaaatt 120

ttaatatatg	tctaataagg	caaatgtagc	ataaaccaga	ttaatggtact	ttggcacaa	180
cttttcacac	acagatgctgaa	catcaataac	gttcaaaact	taatttttgc	ttttcataat	240
tttgaactat	gtttttggccc	cgataaagtc	tttgatatct	ggaattttct	tcocactgtt	300
catttcgtgt	tgaatcagtc	tgaattttaga	tcattatagt	ggatataatga	gaacctcagc	360
aattggtctct	tttagaagg	ectgaatttc	tggaacaaga	aattaggtagt	tgccctgtag	420
gtgatctttc	tcctatagaat	ttctttatat	tgggcctgag	tgagcttttag	aagtgaagac	480
ctggagagta	tttcagatgt	ttctcagtct	cagtgatatcc	acagcactag	tgaattgtta	540
cttgataccc	gaacacacag	gatacagca				568

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<210> 23
<211> 969
<212> DNA
<213> Homo sapiens
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<220>
<221> unsure
<222> (610)..(712)
<223> a, c, q or t
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400> 23									
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cttttcatct	acagcagtgaa	tgctaatcaa	gttctaaaat	ttaatttctg	ttttctatat	240			
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catttcgcgt	tgaatcagtc	tgaatttaga	tccattatgt	ggatatatga	gaacgtcagc	360			
aatgctctct	ttttagaagg	cctgaattac	tgggaacaa	aatagggtta	tgccctgatg	420			
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aacagactac	aaatataggc	tattaaatta	aaaactctgt	ttcaaaaata	taccactata	960			
qggttqata						969			

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<210> 24
<211> 870
<212> DNA
<213> Homo sapiens
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<400> 24
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caqtaaaqag aaaaaataaat qcaqaaaagaa qtqgaatact aaqcaaaqa qtgttaaaat 120
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ttatagactt ttaaaaaata tatatttaaa taagtatggt aaataaagg gtatccagta 300
tagtaataga aatatagaaa tagaaggtag aagtccttaa tcagtagggg aaagagaaaa 360
gataggtaat attttaaatg ctttctactcc attcaataga gggcaggaaa gaagataaaa 420
agaagcaaa gaaaaacatg gaaataggaa atacaaaata aaatatgtaa gtatcataa 480
tataaatcaa tctacaaagc cagagagata gtcagattat ccttccatcat gctgtttcca 540
aagtaaacat gaaagataaaa aaaatacaag tataagacag gaaaaatttt ctcttggtta 600
ccaccaagtg aaagctggca gcatgaacat catttgaaac atgaaacatgt ttttgcttaa 660
aaacagcaaa tgacagaaat atatgtctca cttataaata aggaacaatc catgaagatg 720
atataaaatg actctagata ctgaaaatat actctcaaaa tatataaaac aaaaccgaca 780
gaattatcaa gaaatagcat atccacagtc agtggttcgag attttaacac acctctctta 840
gaaaccagta tatcaaaaaa aaaaaaagc 870

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<210> 25

<211> 3795

<212> DNA

<213> Homo sapiens

<400> 25

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tgagacatat atttctgtca tttgtctgtt ttaagcaaaa acatgttcat gtttcaaatg 240
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<210> 26
<211> 618
<212> DNA
<213> Homo sapiens
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ataataatqat ggaatgctacc ccacgcagaa ataaaggagg aggagagggc 180
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ctgggtgggt ggatcagcag gcagacaggt gagtgtgagg ggacaatcag gaggagagtc 240
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 acagcaagta ccatgtttgc taatttatat ttacctgttt gctttcttgt ttcttatctg 540
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<210> 27

<211> 451

<212> DNA

<213> Homo sapiens

<400> 27

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<210> 28

<211> 573

<212> DNA

<213> Homo sapiens

<400> 28

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 ggaatgcca gcccccgttt ctttaagcct cag 573

<210> 29

<211> 643

<212> DNA

<213> Homo sapiens

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ccgctccagc ccacgcagct ctctctctc tgaactctca cataccata attacaactg 360
accatatttt ccaaagcaga aatcaagaaa coactaaata aggattttc tggctacttc 420
tgagtgtcag aggcagcctg ggaggtgaag tttggatgca gaggtattca aatctctgag 480
acacgttgat agttttttgc gatgactact atatctatca tattttatta ataagtcaa 540
gccatccctag gaaatgtgtg ttgggcacat gccacccata ccactgttaa ctgttgacgt 600
ggacacttta gctggcagct tcctagctgt gtggcctggg caa 643

<210> 30
<211> 761
<212> DNA
<213> Homo sapiens

<400> 30
cctgcccaca ctacagagac ccaaaagagg cctcagtggt gatctgggta gaataaaaga 60
ggcagtagca caccaggtca ccaacatggc ccagacatt ccacaccctt accctgtaag 120
tctcttttta agacttcctc taactcatga ttgctctccc agacagacac acggccacca 180
gtgcactcc tatttccagc cactcagctg gotttgcaag cctgccagga gcacagatat 240
ggctctccct tattctgtca ctaagctgtc ettgtcacct tgggacacca gctgcctaga 300
aggcagacaa tgaatggagg ccaagcactg tctgtgctgg ggacactgtg ctggggggcag 360
gttccacccct gggacaagca aagacaggca gaataataagc tagagatagg cagagttttc 420
aatggagaca ccaggggaca gactgggtct gtaagggaca ggaggggaagc aaggactgtt 480
gaagcaagca cgtttgtgtc cctctctaac ctgcacagta ttccactcac tccctgtaac 540
tagaagagac agcccgcaaa ccagtatcct aggcaagggt tagctgctgt ccttagccac 600
accgggtaga acagcagcca gaaaaggggc ccagagcctc cagcaggcca aagccatgtt 660
tccatgggtg ggcaaggat gcaatatccc aggtcagcc agaaagtcct gtggcagcac 720
catgtctgga gagagaccga gagaagaatg ttggacagag a 761

<210> 31
<211> 1658
<212> DNA
<213> Homo sapiens

<400> 31
cacatctgag gtttcagaga gagggagaac ttttcatgtc agagccgagg aggttgact 60
gacttgggaa tggcagttga tgacagggat tctggctttg aaatgcattc tcttagagat 120
gcaatggttc agtaacagga gactctagga tgatcaaaag agatttgagt gaagggaac 180
cattccattc agtggatcc tccatctgac ctccattaca cagatggagc aaagtgagtc 240
tcacagagaa cctagcactt gcccaaagt atagactgaa tcagaagcaa tgctgagact 300
aaaaccaagt tcccaactc ctaaccatg gatggatggg agaggcacc ccagctctgat 360


```

<400> 33
tttatgcttc caccaaaagg tttgggtaga aagaagatat ttttgatata taatatcata 60
gtactataat tttaaaacta gcttttcaga caaatgtgtc cactcaggca cagggtaccgt 120
ggaccccaaa agcaggagat gcttcacact acctcaatga agccaccgtc accactactc 180
actcactgaa cagatattta ctgggcatac actacatact aggtgacttt ctaaccacgt 240
gctactccaa gtgtgggtcca tggaaacagaa ccagaccatg gactgtttgt tactgggtctg 300
ctacaagata agtacaacaaa tgaagagtaa gcacttagaa acatagcata aatgacactg 360
ccatttaact agtgggtctca tttcgctgga cagagtatag acaagctcag gagttgtctac 420
actactgtgg tgagttactg tggctgttgt ccaggcacat gccatgctgt ctagcctttg 480
taagacatgg aagcaaggga gtgataaaat cacatgtacg ttttaggcag atgccttctg 540
cctaaagatg aggaaggagc aagaaggagg gtgctgaact acattgtgaa gggtcacatc 600
attatttccc tcaagggtct tttgtcaaa gacttgggac agggcagcta actatgtggc 660
aggagacaag gctatacttc gctgtctaaa tgagaacaat tcccatctga ctgatattaa 720
tttgtatttt agtcaaggcc tctgctgaga aacaagaact aaggtagcag caaaaatctc 780
ttcttacttt acttgggtac ctgtgaagtc cacttgggat agtgaaggag aaatccgcgt 840
tcctctccct ggtgagtggt agacccagtg accaccacac catcttctgat acaaatcacg 900
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ccagatcttt cagttcaaac ctctcccaa gtctggactg ctctctatct ctctaattca 1020
cacaccaga tatttttctt ttgacagcca acacaaacc cttgtcttga gaaatctgct 1080
ccaattaccc tgagattcaa atcttgatc agctgtgatg ctggacagct aacccaaatt 1140
tctgtagacc caatatccta atttagaaaa tgaataacta atatttaaga tatgtggcgt 1200
ttgaggatta tg 1212

```

```

<210> 34
<211> 447
<212> DNA
<213> Homo sapiens

```

```

<400> 34
ggctgtcccc ccaaaaaaag tttatatatg taatgtataa acataaaaaa gtgattaccg 60
aattgtcttc tagaaaagtc ttaagtgtca aaatctttaa tgccattctc ctgtgtccca 120
cagttctaca ttttgaatc tattctaagg aaagaagata agtgtgtaga tatccagacg 180
tgtgtggagg tcggggctgc attatttata aaaggagtag ttgttaaac tgctggcatt 240
tctgcactgt ggcactctcc atgtgtagac aggcagaagt gtgcagtgtg agagggaagg 300
gcgggggtct gagcagtc ccggccactc ctgggtttta gtacatgggt ctctaaggta 360
accatcagag gtgaggagac ggggtacact tttcttttat acatggtgtg attgtagaga 420
ttcttttggg aagcgtgtat tactttt 447

```

```

<210> 35
<211> 1078
<212> DNA
<213> Homo sapiens

```

```

<400> 35
ggctgtcccc ccaaaaaaag tttatatatg taatgtataa acataaaaaa gtgattaccg 60
aattgtcttc tagaaaagtc ttaagtgtca aaatctttaa tgccattctc ctgtgtccca 120

```

```

cagttctaca ttttgaatc tattctaagg aaagaagata agtgtgtaga tatccagacg 180
tgtgtggagg tcgggggtgc attatttata aaaggagtag tggttaaacg tgctggcatt 240
ctcgactgt ggcatcctcc atgtgtagac aggcagaagt gtgcagtgtg agaggggaaag 300
gtgggggtctg gagcagtcgc cggggccactc ctgggttttaa gtacatgggtg ctctaaggta 360
accatcagag gtgaggagac ggggtacact tttcttttat acatgggtgt attgtagaga 420
ttcttttgtt aagcgtgtat tactttttta cagtagtaat ttgaaaaacat tttagatatct 480
tcattggaaa gaaaagtact ctttaagtcc ttggcaagtt gataaatatg ctttgcaata 540
gaagaattta ggggcatttg tttttctaac tcacatgtaa gctcttcaag gtgggggactg 600
accctcgggg tctgagcggg gctctgctac agcccattcc acaaacagtc tcccagggttt 660
ccatccagaa gcaggtttgt acctctcatt cccttgcttg aaacctggcg atgactttcc 720
tgtattctta ggatcctaag gtctcagggt ccctggaagg cctgcctgat cctggcctct 780
gttttaccag cctcatctga tagcacttgc tgtgtttgtg gagtttcagc tgccacctgc 840
tttactttct agctctctct aagtcctctt tgacctcggg gcctttgcac acactgttcc 900
ccttccttgg aatggcctcc ctttaccttc ctcttctcca gccctcagt tcatgtcat 960
ctctcatccc ttgatcccc tggtaaaact agcctaatag ctttttctct cttttctaac 1020
agcatcccat tgtgcaattt cagggaaggag ctcatgtga ccttagttgt ttaatgcc 1078

```

```

<210> 36
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<400> 36
aagatagtca catgggttac taagaatcag gtgacaaga aatgaaacaa gaatctttaa 60
ttttgttttt gacatcaaaa ctctcttcca tctaataatt tacccagaaa cccaatatgt 120
aacaatttga gaatgaaatg ctttctctaa agccagttga gagggccaaa tcccagaaa 180
ttcatctctc acccaagtag ccaaagtacc tatgaatata tttcaaaaac cacttcaata 240
aaacaattaa atgaatatat aaactgacat acagaaaggt agtgatgtca tcagatataa 300
actgcttgca gaaaggcagt tccattaaat tcacactaca gttcaaaagag ttccttggtc 360
agcttatgaa cagactcatc tgaaattcaa tgtttgaagg atcgaactggg tgcatgggct 420
caca 424

```

```

<210> 37
<211> 860
<212> DNA
<213> Homo sapiens

```

```

<400> 37
tgtgccttgg gccttggcca ctcatatttg gccctagaat atttatttct tcaaacattc 60
tcagagtttt gactctttct tgttgacact agtcagcttg agacgtgcaa ttatttactg 120
gcaatcttaa agctcaaaat accaggatct aagacaaaag tagctaaaa tgatcacaa 180
tcaaactgac ttcaataata atgctttaat caggaaagtc tcagcatatt ccttaagata 240
ctcaagcact cagctcaaga aaatttctct aaataaaccc tgtaaaagtt gccattgttc 300
ctagccacat ttttctgggt tttctaatag atcatttgtt ctagaaaaaca cttagaattc 360
gaaaccocaa gggtgagcat gtagacttca tgaaagccca atccccataa acctgaaatg 420
ccaggaattt ttctcaattt gagtaaaaag atttactgtt caagttatgt aaaaaccaat 480

```

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cctgtgaatt tgacttttga aagaattaca gtcacacagc aaaattcact ttaagatgca 540
atgcaaccca caccatgaat ctgttaattc tgtctttgtc aaactaccca aaaaatcaat 600
ttgtctttct tgttattgca ggaaatagag gtttatgcct cattaatcag aaggggagca 660
gtttaggagc agttatttac taagcccttt aagttatact agacagacca ttttaaaatc 720
acagtatcat tttagaaaaa tacagtccaa atagcaagtt tagggtagca atcatttaaa 780
atgtaataga gatgagtaca catagacaca ctacacaacct taacactgag cttgaggaaa 840
gtataaagct tgctcatttt 860
```

```
<210> 38
<211> 272
<212> DNA
<213> Homo sapiens
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<400> 38
cattttgact gtctttacag aaaaagttaa ttgaccctgt gtgtagataa gaaatcattg 60
tgacctgagt gagaatatta gtcaatgtaa ctcttcaagg taatgaaaag agtactgagc 120
tatgatttaa acttaactgc agagaagtct agcatattcc agttatcagc agtgtagcat 180
gataactaaa ttacttgacc tttcagaatc ttagttttct caattgttaa atgaacatac 240
tgatactatt ctactcactt cacagtctta aa 272
```

```
<210> 39
<211> 207
<212> DNA
<213> Homo sapiens
```

```
<400> 39
ctgagcctgt cggtgcatca ggagcagtg cactgcacagc gagatccggg ccagctggaa 60
gggagggggg ttgcagaggt gccggagcca gatggaacco tgtggtgcct ggggaggaaac 120
ttggattttg gattgagggg cagccggcac gtgcagtggc agcagtttgg gcaaggaggt 180
gatgaactga gttgcttttt gttgaga 207
```

```
<210> 40
<211> 134
<212> DNA
<213> Homo sapiens
```

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<400> 40
gtgtgagcta ccaccactgg cagttaagaa ttttaacaat ttgtcaatga aacaagaatc 60
tcaattagag tctttatata caatctgtac tgttggaatt ttcaataaaa tatttgtaaag 120
aaaattaaca aaac 134
```

```
<210> 41
<211> 546
<212> DNA
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<213> Homo sapiens

<400> 41

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ccaatgaata caaagcagag atttaagaag ttgaaagaca gattttacag ggtgaacaaa 60
gttacagtgc tgactagaa ggaatgaaga tggaaatctc ccatctaact caggagttac 120
atcagcgaga tatcactatt gcttcacca aaggttcttc ctgagacatg gaaaagcgac 180
tcagagcaga gatgcaaaa gcagaagaca aagcagtaga gcataaggag attttggatc 240
agctggagtc actcaaatta gaaaatcgtc atctttctga aatgggtgat aaattggaat 300
tgggtttaca tgagagatgg ggttttacca tgtgtgccag tctggttttg aacttcggga 360
ttcaagcaat cgcgcagcct cagcgtccca aagtgtctga attacaagt tgagctacca 420
ccactggcag ttaagaattt taacaatttg tcaatgaaac aagaatctca attagagtct 480
ttatatacaa tctgtactgt tgggaatttc aaataaatat tgtaagaaa attaaaaaaa 540
aaaaaa 546
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<210> 42

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (538)..(585)

<223> a, c, g or t

<400> 42

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agtaaacac ctaggctttc attgagaacc ctgagttctag gtgaatcaga aataaaacat 120
aggtagtgaa gccaaaactc aaataatttc agattagtgc ccctagccta gatgtctgcc 180
tgaagccaga ataaaaattc tctttggagg aagatgcttt tccagaaac tcagggtatc 240
actgtagtgt ttcattgtat atactgttca gtcagttaga ataatagaca catcacatga 300
gaagaccaga tatgattaaa aaaaacaata aaaaataaac aaattggata tacctacaag 360
agatccagat aatgagataat caaatatggt cctaccata actgtgatta atagtgttca 420
aggattaaaa gataagattg aaactctgac cagagaactg aaaattgtaa ataagaccaa 480
atggaccttc tggaaactgan aaatacaatt actgcagtta aaatctaaat gagtgaannn 540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnatggt tgcataaatg 600
aattaatgac taaaaccatt gaatgtgtac ttacaatggg tgaattttat gctgtgtaaa 660
ttgtacttta aaaattaagc tttaaaaaaa ccaaatgaat tgggttcaata gagttagatgc 720
aattgaggag agagttagtg aaccagaaga taaagcagaa gaaaatatca acaataaagc 780
attttgaggc ttttagatgg aaataaata tcagattgtg aaagacatat taatatggt 840
ggaaaggcct aatatatgtg taactggagg ttcagcngga gaggagagag aaagtgggac 900
ataaaaaata attggaaaaa aatagctgag atagttctaa aactaacaaa tcacacaaag 960
ccacagaatc cagaagccct agggcaccaa gcaggataag tacaagagat caacatagta 1020
aaatttctga taacaaagct aacgagaaca acatagggac aacatgggtaa catttataaa 1080
agaaaaagag aaaagctgaa aagcatcatg gttggggagt gggtacctct tatic 1134
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<210> 43

<211> 161
 <212> DNA
 <213> Homo sapiens

<400> 43
 atgtgcttat ttctagtata tgtgctgctg aagcgagcag taaaatgtgc ttatttctat 60
 taatgaattc ttattataaa aagtgggtaca ttattacaaa agtagtaaat gtttattaag 120
 attagaaaca aattctaatt atacagaaga gtacttactg a 161

<210> 44
 <211> 413
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (220)..(221)
 <223> a, c, g or t

<400> 44
 agctcactgc agcttcaaac tccaaagctg aagcaatctt cccacctcag cctctcaagt 60
 agctgggact acaggcagac gccaccaggc caggccaatt tttgtatatt ttgtagagac 120
 gaggtttcgc catattgccc aggctgggtct cgaactcctg agctcaagt atccaaccac 180
 ctcatcctcc caaagtgcgt ggattatagg cgtgacactn ngtgctgggt ctgagtaagt 240
 actcttctgt ataattagaa ttgttttcta atcttaataa acatttacta cttttgtaat 300
 aatgtaccac ttttataata aagaattcat taatagaaat aagcacattt tactgctcgc 360
 ttcagcagca catatactag aaataagcac attttataat atagaagata tat 413

<210> 45
 <211> 470
 <212> DNA
 <213> Homo sapiens

<400> 45
 atcaaatgct gagaccaaga tattgcgaga tgggaagtgt ggtaatggaa agaacaatga 60
 tgaccttgga agagatactg tgaggaatta acaagaggct aaatagaaat aaatcaaagg 120
 gctgacaggg agcactgagg tgagtaagca caaatataca cagtttcatg gctttctcca 180
 gcaaaagctca tcagcaaaaag ccagagactc tgggagtacc cagggtttaga gaacatgcct 240
 atggaatcag tttacaatgt ctttaaatcc agttaaccgg ttttctccta aaatatcttt 300
 aaaaattctt tctcccatgc tattagtatt cagaattaaa atgttggttac tgatgtcaaa 360
 gcaaaagagaa taaactacgg agaaattaac tcttcatttc cagatacaga aggacctgat 420
 tttgtagaga ccaccaactc aatagtttgg agcaggaggt ggcaaaactac 470

<210> 46
 <211> 410

```

<212> DNA
<213> Homo sapiens

<400> 46
ccctcctgtg tcttttaaaa cagcatcacc tcccccccat gtttccctt cttcccagat 60
ccattccact tagtctcacc agttcagttt tccttcacat gtctatttta ctggaagaca 120
gaactgtgtg atgattaaga ccctgggtatt ggagccaaac acagctaaat ctgacttacc 180
acagcactta ctaagttact tgggtctcact gagcctcagt tctctaataa aatgaggata 240
atatctacct ttgtagttta tggtaaggat ttaaaagctg atgcctgtgc ccgggatatg 300
gtagacacta cttacattgc tgtcatgatt ctattgtatt actcagtact ctatcttctc 360
cttcatacac ttccctttgcc aataatgaca aaaataatca cagcttatgt 410

<210> 47
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (254) .. (276)
<223> a, c, g or t

<220>
<221> unsure
<222> (333)
<223> a, c, g or t

<220>
<221> unsure
<222> (393)
<223> a, c, g or t

<400> 47
gtctaacttc agtgcattgc aacacatcag atatgggttaa atgtaggagt ttataatgat 60
actttaaaga gagaaatcta gtccctaatt gcttgatctt ctctctggta attattaggg 120
agattaagag tcacaagtac aagaagccac agagaaacag gcatagtcta gaagggcagt 180
gtatcccatg cccatagctg tgccctgccc atggcccat aaacagcggc catgagacct 240
ttctcgtgtg tacnnnnnnnn nnnnnnnnnn nnnnnngtct tcaccagcgg ggaagctgca 300
gtcctacttt gtctgtcttt actgtgctgg aangtttaac atatgggatt taattgtgtg 360
tttatctcca aattttttaa ttatacagat gcntcttgac atacaatggc g 411

<210> 48
<211> 1022
<212> DNA
<213> Homo sapiens

```

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<220>
<221> unsure
<222> (254) .. (276)
<223> a, c, g or t
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<220>
<221> unsure
<222> (333)
<223> a, c, g or t
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400> 48							
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agattaagag	tcacaagtc	aagaagccac	agagaacagg	gcatagtcta	gaaggcgagt	180	
gataccccat	cccatagctg	tgcccctgcc	atggcccatt	aaacacggcg	catgagacat	240	
ttctctgttg	tacnnnnnnn	nnnnnnnnnn	nnnnngtct	tcaccaggcg	ggaagtctga	300	
gtcctaactt	gctctgtttt	actgtgctgg	aangtttaac	attatgggatt	taattgtgtg	360	
tttatctcca	gtcttttttaa	tatacatagc	gcgtctggac	atacaatggc	gtatgtctcc	420	
aataaaactca	ttgtaggttg	tagatatatt	aagttgaaaa	tgcatccaat	acacctacc	480	
tactagaact	catagctctag	ctcgtgtctt	cttaagaact	cttaagaact	ttacattagc	540	
ctacagtgtg	gcaaaagcat	ataacacaaa	gcctatttta	taataaaatg	ttgaatagct	600	
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aaaaaaactc	ctcttgtagct	atacggagac	ttcagtgact	taaatgcaag	attgaaatcc	780	
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caggaaaaatg	ttatgagagt	ataaaacagg	gattaaaaat	aaatttgggg	taaaaggagct	900	
gggtcataaa	tactctccag	ggaagatgac	attttacta	ggccatgaat	gatgtaaagt	960	
tttaacaggc	attcatgggg	gtggggcagg	cattccaggc	ttagggaaca	ataggagcaa	1020	
aa						1020	

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<210> 49
<211> 631
<212> DNA
<213> Homo sapiens
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<400> 49									
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cctcccctac	ttctcctgt	tgctttgggg	aggccatgcc	aggtgtgctt	gatgccctct	180			
gccatcatct	aatataccag	tgctgggtct	cggaaattagg	ggcaaatagg	agagacatga	240			
cggggtgctg	tgtgagagag	gagaaagcaa	aaaccgggag	ggagaattgt	ggggaagaca	300			
tttacaaaat	gaactgattt	tcttatacat	tttcaagagt	cctgattttc	agttttttaa	360			
aacattattt	taaaaaaac	aatgatctct	aaagtgtatt	acaaaatgat	tttaaacctc	420			
tgacttttac	ccaaattttg	tttacttaaa	tatatagatg	tcttaattat	ctatatattt	480			
aaaaaaacat	atctactctt	attgtaattg	attatcagtt	taaaaaatta	ggaaactgcc	540			
tatttcactt	tttttaattt	aagcacatct	caaaagatcat	ggcaaaaaag	gaggggctca	600			
ataaatgcta	qcccttcagt	tccttcaaaa	q			631			

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<210> 50
<211> 797
<212> DNA
<213> Homo sapiens

<400> 50
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aaactttaca tttttatgca aatgaagctg atattttatta gagctaaaaac aattatactgt 120
gcacttagtg gagtaacctt gtgtgccttg gaaatgttag aggagagcag ttgatgtgtcc 180
actaatacct ctgctgtaaa caaatatgca tttatgccac tttttagaat ttaaagacaa 240
aaagaagagc tcggagagca ttgctggaga ttgcttatta gggttgataa cctgaaataa 300
ctcctgattg gcagggcgagc ctgggcctta caattttttt gtgaaagaaa gatagccttt 360
cttgatagaa tgtaataaac aaaatgataa aaaatgaaat gctaattgca ttttaaagag 420
gtcttttgaa aaaaaatttt taatagttag ttgtattgtt actgagagaa ctgttatgct 480
aatgactgac tacctagatg attttgcatt aatataataa ccattacctg ccttagtgct 540
ttgtacagta ttgtggcaaa atagctaanc ctaaaggagt tatacaaaaa gcgaattcc 600
ataatgaac agaattttac ttccacata aatagcatgc cttttttttt tattttttta 660
agaccgaat attatatcag aagtgtgttt tctttcctgt atgatagtta ctgcatgggt 720
acctggttgg ttcattttgt ttgttttttt taataaccagg agaaagaagc ttctaacttt 780
tcgttgcca tacacgt 797

```

```

<210> 51
<211> 527
<212> DNA
<213> Homo sapiens

<400> 51
ggatggagga agggcagttg cgaaagtggg ggaaaaggag atccagcaga gcatggcaca 60
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ctgaacattt atttccttca cacttttcac ataatcatgt accccttagt tcatggaagg 180
ccttcaagta tttctagggg ccaagtacac cttgtcagag gcgagaagct acacagtcag 240
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tgatgttat taagcctttt tagtttttaa atatttcaaa tgatttattt atatgtgtag 360
aattcgtttc cttaagattt tcttctatat ggtcttaaat gatcctcata acagccctca 420
caatgaaaca agtgagggtat tgttatccac atttctaaat gactgagact atgtgatttg 480
tctaaggcca cacagtatta gagtcaggac ttgctgccat ttttctt 527

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<210> 52
<211> 579
<212> DNA
<213> Homo sapiens

<400> 52
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ctgaacattt atttccttca cacttttcac ataatcatgt accccttagt tcatggaagg 180
ccttcaagta ttcttagggg ccaagtaacac cttgtcagag cgcagaagct acacagtcag 240
actaatgaat catctcagaa cattttcctt agactttggg tatacctcta cagaaatcac 300
tggatgttat taagcctttt tagtttttaa atatttcaa tgattttatt atatgtgtag 360
aattcgtttc cttaaagattt tcttctatat tgtcttaaat gatctccta acagccctca 420
caatgaacaa agtgaggtat tgttatccac atttctaaat gactgagatt atgtgatttg 480
tctaaggcca cacagtatta gagtccaggac ttgtgtccat ttttcttttc tgtaaattcc 540
ttgttcttct tgcacattca agctgcatta tatatcatt 579

```

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<210> 53
<211> 1033
<212> DNA
<213> Homo sapiens

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<220>
<221> unsure
<222> (108)..(144)
<223> a, c, g or t

```

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<220>
<221> unsure
<222> (193)
<223> a, c, g or t

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<400> 53
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nnnnnnnnnn nnnnnnnnnn nnnnggataa agaattgtata gctctataaa tgactgttaa 180
aaggatatta tcnattgttt agattttggt tttttgtttt ttaaggaaaa gttgacaagg 240
ggtaaaaggg ttatcaaaca agaactttgt catcatatat agcattatat tatttaattg 300
acaacagacg aattagcttc tttttatcag catgatattc cagtgtactc aaacccagc 360
cacagcaact acagtacagg aaagggccat gtaactaatt gagtcaactga atttatgtaa 420
agctccttag aacacaaaac tgtatgttcc agcaagcagt acaaaattgg gcagggtgagt 480
catattacaa aaatgggcaa agaagcaata ttaattggcc ctagagaaca tgtaggcctt 540
tgtttagtgc ttgtgactgg aatactttac acttttatag ttggggaaaa agcagcaata 600
acctctgccg tgaaagtctt attgattcat gggccttaaca ttatagaaat gttgcttggt 660
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agagatcacat atatatgtag aatttggaat gccaaagttaa ganttnaaat gtaattttag 960
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acagtatagg gaa 1033

```

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<210> 54

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<211> 403
 <212> DNA
 <213> Homo sapiens

<400> 54
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 aagacactcg ggagtagggg acagttagcc cagaaaggct tttctgaggc agagggagggt 120
 ggaaccgact agttggggagg ggaatctgta gtccatagaga gtttatgaga actgcccacac 180
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 ggatccagcg tttgccaaaa agagctgggt gatgctcatt cctgctccac ttcctatccc 300
 agcgcctccg agagctgtct ccccaaacca aaggcaaggg aaggttacaa agttccctat 360
 acctggcctt gaatgcaagt tccctctgtg gtccagctcg agc 403

<210> 55
 <211> 360
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (58)..(289)
 <223> a, c, g or t

<400> 55
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 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna agttttaaaa 300
 agaaacagaa aaaatacaga ataaagctta cagaataagg atataaagaa aatatttttt 360

<210> 56
 <211> 247
 <212> DNA
 <213> Homo sapiens

<400> 56
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 tggcccccatt tcactctgct aacccatggg gtcccttacc taggggtgcc cattcatccc 180
 catttgcctg gaacagtccc actctatgtc tgtcatagtg tcagtatggc agtattgtta 240
 aaattcc 247

<210> 57
 <211> 250

<211> 2848
 <212> DNA
 <213> Homo sapiens

<400> 60

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ggctcaccga ggcgcgggtc tctgtaggct ccaggttatc gccccagagg ctgagtgcat 120
gaatggatcc aggacagtgg ggaggctggg cagctccagt gctgtcttgc ctcatggcac 180
attgttggtc tgtttacctg tggggccctt tgccttagca catgtgtgac cctctgtgat 240
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gggctctgtt ctcaaatgtc catagctggg tgaccaatgt agatgcaggt cccatgcctt 360
ggccaggagg cctggctcct gggagccag aaaataccag tgggagatgt gagggtatgt 420
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catggggcac cttcagggtt ctagggggct aggggacctg aagcctaggc ccaagccaga 540
cctgacacct gtacctccca tccccacagg acatcaacaa tgctggggc tgccctggagc 600
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ttgcagcaga ggagctgagt tggcagaccg gggcccccctg aacggaccga tccaacagcc 2760
ggcctgctta gtccgtctac ggtctcaaga attgctagaa ccaaaaaaaa agggacaaga 2820
gcaaaaaacga agacgaaaca acagggggg 2848

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<210> 61
<211> 572
<212> DNA
<213> Homo sapiens

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<400> 61
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atcatcgccct gcaatgacag ctctgtcgga ccacggccca tgcaacagca gcagaggggc 120
ccaacagctct aatgaaaagg cccatactt gaagtcagaa aatttgggtcc cagtctctggc 180
tctcttgaga attcactatg tggcctgggtg tgggacagaa aaatctacat aaggacagaa 240
ttctattttc tgaagcaaaa aacagtcgag gggctacct aagatttttt tcagcagttc 300
agttgcaaga gatgttaggc atctcctaca actcacacct gtcaaagaca taccaggaa 360
gatgttcagc gttttcacat ttaggtgctg aacaacccta tatagctgtc tatatcttga 420
cctatttccc tgacttcctt ggtggttgac cttggtcagt tccggcctg ctgacacctg 480
gtctccatgg ctgggtatat ctctaagtta tcttgtttcc aggtcagccc tgtttctctg 540
aacaataat tctttccctc cagtgaagcag aa 572

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<210> 62
<211> 650
<212> DNA
<213> Homo sapiens

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<400> 62
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ccaacagctct aatgaaaagg cccatactt gaagtcagaa aatttgggtcc cagtctctggc 180
tctcttgaga attcactatg tggcctgggtg tgggacagaa aaatctacat aaggacagaa 240
ttctattttc tgaagcaaaa aacagtcgag gggctacct aagatttttt tcagcagttc 300
agttgcaaga gatgttaggc atctcctaca actcacacct gtcaaagaca taccaggaa 360
gatgttcagc gttttcacat ttaggtgctg aacaacccta tatagctgtc tatatcttga 420
cctatttccc tgacttcctt ggtggttgac cttggtcagt tccggcctg ctgacacctg 480
gtctccatgg ctgggtatat ctctaagtta tcttgtttcc aggtcagccc ctgtttcctg 540
taacaaataa ttttttcccc tcagtgaagc gaagtaattg nctcatctgg cctgattccag 600
catttgggga gaagcgggtg aaagagggca tctaagagat atgtttaatg 650

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<210> 63
<211> 591
<212> DNA
<213> Homo sapiens

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<400> 63

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ttcggtttaa	agatcatgcc	gttcagttag	ccctttgtta	tgcataaag	gtgtttgaca	120
gcttgaattc	caaaaggagg	tcaactgagg	tatggagagc	tcacatatt	gggctaaaag	180
ccagtcacat	ttagctattt	ggaagtgatt	gtgaaaaatt	gatatcgtc	gttgttaaac	240
tgaagcaatt	gccaaagctt	tcacttgttc	ttttgcactg	aattaactca	ctcttaataa	300
aaggaccgac	acagggcctt	acacgggtgg	ttctttgtga	gggcccacct	gtgtactctg	360
ctctgatggt	tgtctttgct	catagctcaa	tgatctgtat	taaatgagtt	taagtgctgt	420
ggacagtgtt	gcacaaaacta	ggccatttgt	gtgtcttttc	ctgtttctct	cctttgtaga	480
ttataaattc	agcctgtatt	ctaaacaaag	attttcttc	cagaatttaa	ggcagtgttc	540
ttctctcaaa	atgatatttc	ctcacagact	gtctaaqqcc	agccaattga	t	591

<210> 64

<211> 542

<212> DNA

<213> Homo sapiens

<400> 64

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tttccatgcg	atgtaaatct	aagtatctat	aaacagcagt	ggcctaaaag	cagctatgaa	180
gagggtcacg	gacaaagcct	ttcactttag	catacaactgc	tataataaag	aaacttatgt	240
gcactgtagt	cttccaggga	attattattg	atttatgtgc	caaaaatatgt	atacagctcc	300
tgaggaagcc	tcaaaagcata	ataaagtgtt	cttcagacac	aagctctcag	actcctttaa	360
aattctcgctg	tgcttaattg	ctgagctcct	caggctgaact	gcctctttcc	tgttctcaga	420
caaattcttc	ctaaaactca	tggtcagatt	aattttctct	aaatacagtt	tacctcaaca	480
acttttccat	accgcgctcg	agccgattcg	gctcgagggc	gattgatgaa	ccaggcggtt	540
ga						542

<210> 65

<211> 586

<212> DNA

<213> Homo sapiens

<400> 65

aaattctttt	tgacatctct	caggggtata	tttttttctt	ttaaactcata	tgtcaccatt	60
aggttttttaa	aatcctcttta	aatattttat	tcttagtgta	ccttggaagt	ccctttttcc	120
tcttttttgg	ggaaagtgtt	gaaaatgttt	tgttttttgy	cttgaaaga	atagctacc	180
acggtaagga	gggagtgttt	tgtgtgaaat	aggaagaag	ctctgaaactg	tagggagagga	240
ggggaatatg	gcgcctgata	aaaagcacta	gaggaggggg	gaaatactct	tccataggaa	300
ggctctccag	tacaaagatt	tgaagacatt	tttctggggg	agtaaaaact	taaatcagca	360
ttattttcca	agccccagaa	ataaacttaa	tagattgttt	taaaataact	gttttaactc	420
agcttgtgaa	gatattctga	atagttcttg	tagaatactt	tactattttg	cagatacttt	480
tgtaataata	gtgfcgagtg	agaaattgtg	caactgtgtc	ttttccaaac	aagtaaatag	540
caagaactagt	atagccgctg	aaaagaatga	gtgaattata	ttctaac		586

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<210> 66
<211> 858
<212> DNA
<213> Homo sapiens

<400> 66
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cattaggttt ttaaaatcct tttaaatatt ttattttctag tgtaccttgg agttcccttt 120
ttcctccttt ttgggggaaag ttttgaaaat gttttgtttt tgtgtatgaa aagaatagct 180
caccaaggaa gaaggggagt gtttttggtg aaataggaaa gaagtctgaa actgtaggag 240
aggaggggaa tatggccgct gataaaaagc actagaggag gggggaaata ctcttcata 300
ggaaggttcc cagctacaaa gatttgaaga catttttctg ggggaagtaa acactaaatc 360
agcattattt tccaaagccc agaaaataac ttaatagatt gtttttaaat tactgtttta 420
attcagcttg tgaagatatt ctgaatagtt catgtagaat atcttactat ttgfcagata 480
cttttgtata aatagttgcc agtgagaaat gttgcaactg tgtcttttca aatgaagtaa 540
ataggagagc tagtatagcg cctgaaagaa gtaagtgagt tatattgtaa ctctctgctc 600
tacctcaggg taagcactcc ttttagcatt tattaacctc tcattatttg tagagaaatt 660
atttagatgt aggttgagta ttctctaact gaaaatctga aacacaagat gctctaaaat 720
tcaaaacagg atgctcaaag gagatacttg tttgagcatt tcagacttca gattttcaga 780
ttagggatgc tgaactggta agtataatgc agatattcca aaatctggaa gaaaaaaaaa 840
aaaaaaaaat gagcggtc                                     858

<210> 67
<211> 593
<212> DNA
<213> Homo sapiens

<400> 67
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agaggctaaa aagaggacca ggtgttcaca cagaacttgg cagatgatgt tggccagctt 120
gaacgtggag aggattgaaa atggctgagt agggagggat gctgagcggg gcttgggcct 180
ctagcagctg ctaattttat agaatgcgct aaaaaaaacc ttgtggatag atcttgcttc 240
agccttttct atctctggtc cttggacaga gaattgttta agtcaattta tgtttattga 300
gttatttttg ttaactcatca gtacagattg cctctaagtg gtttttgcac ctttttttta 360
ttatcgcttg gtcacataac ttctcggaac ctacgttttc ttatttaata ctctcaaggt 420
tgaattataa atcatatgaa caggatttgc aaactataaa gcaatgctat gcatgtaagg 480
tgtcttttat ttgccagtta ctgagtcctt aagggcaaat tgtctactca atacttgggt 540
tactgtgtta ggattccatt agggaagcag aacccttata aatattgtgg aat 593

<210> 68
<211> 578
<212> DNA
<213> Homo sapiens

```

<400> 68

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agtgcctcgc tgtgcctctc catcaccagc atggaagaga acgtgttccg aaaggcagag 180
caacaacagc agcctcaaaag ctgttataac gggccctcgc cttgggggtc ctagcaagtc 240
aatgacaaaa agcacctctc cgggagcaca ctggagagct gcagtcagcc tacggctatc 300
caacacactt gtttttccat aatcacggga aacctctgct taaagatggt ggattgaact 360
cacatattta tctcctttct caccagaaac cgtactaaaa cgaagggatt ttttttttaa 420
ggcacaaatc acaatgacaa aataacagga agagagatgg tggagcagc atcatcttg 480
gggaacctga agaattccac agccaaaagc agggcagccg gagagcagga caggtggaaa 540
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```

<210> 69

<211> 730

<212> DNA

<213> Homo sapiens

<400> 69

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agtgcctcgc tgtgcctctc catcaccagc atggaagaga acgtgttccg aaaggcagag 180
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aatgacaaaa agcacctctc cgggagcaca ctggagagct gcagtcagcc tacggctatc 300
caacacactt gtttttccat aatcacggga aacctctgct taaagatggt ggattgaact 360
cacatattta tctcctttct caccagaaac cgtactaaaa cgaagggatt ttttttttaa 420
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gggaacctga agaattccac agccaaaagc agggcagccg gagagcagga caggtggaaa 540
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gaagctcagg cctggagggt gctgagcggc tctgggaagt tgggcaaggt gacagtgaag 660
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ccagttacgc 730

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<210> 70

<211> 408

<212> DNA

<213> Homo sapiens

<400> 70

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ggggctgtg gttaccgatg gaaacctgga gaagtgtgcg ggctacatca ttttttctt 60
caacagactc ggaagtgtcg cctcgggcca ggaactctgc ctgacctccc agatgagtg 120
tgtgtctaga acctttctct gggaagggaa ggagagggtc ggggtatggg gggcctgga 180
catgaaaaag aactaccctc tgacagtaac atttccctct acttattcaa ggtctgtatg 240
tgccagacgg tgcctagcac tttgtataca ttagcttata cggtgctcac aaactctct 300
gagatgggca ttacagtcca atttccagac atcgtgtcaa aagccaaacc caagcctgtc 360
tgcaccagag cctgtgcctc tcacacagac tggttaatat aaactctga 408

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<210> 71
 <211> 430
 <212> DNA
 <213> Homo sapiens

<400> 71
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 caacagactc ggagtgtctg ccctgggcca ggaactctgc ctgacctccc agatgaggtg 120
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 aaaatctgaa 430

<210> 72
 <211> 239
 <212> DNA
 <213> Homo sapiens

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<210> 73
 <211> 333
 <212> DNA
 <213> Homo sapiens

<400> 73
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 tctctagagc tcaaggctct gggctagcag ctggagaaca ggactctgag ggactttcat 240
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<210> 74
 <211> 636
 <212> DNA
 <213> Homo sapiens

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ctgtggagtg ggggtctctg ca 142

<210> 78
<211> 72
<212> DNA
<213> Homo sapiens

<400> 78
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<210> 79
<211> 529
<212> DNA
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<220>
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<222> (234)..(388)
<223> a, c, g or t

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<211> 567
<212> DNA
<213> Homo sapiens

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<223> a, c, g or t

<220>
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<222> (34)
<223> a, c, g or t

<220>
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<223> a, c, g or t

<220>
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<220>
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<220>
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<223> a, c, g or t

<220>
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<210> 81

<211> 4158

<212> DNA

<213> Homo sapiens

<400> 81

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 aacagaatgc taaaattaaa gttggactat gaagagagcc cagtgtaacca agtgcactgt 240
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<210> 82

<211> 270

<212> DNA

<213> Homo sapiens

<400> 82

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<210> 83
 <211> 612
 <212> DNA
 <213> Homo sapiens

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 <221> unsure
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 <223> a, c, g or t

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<210> 84
 <211> 342
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (268)
 <223> a, c, g or t

<400> 84
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<210> 85
 <211> 1035


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<210> 90
<211> 286
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (259)
<223> a, c, g or t

<220>
<221> unsure
<222> (263)..(264)
<223> a, c, g or t

<220>
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<222> (268)
<223> a, c, g or t

<220>
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<222> (271)
<223> a, c, g or t

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<220>
 <221> unsure
 <222> (277)
 <223> a, c, g or t

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<210> 91
 <211> 644
 <212> DNA
 <213> Homo sapiens

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<210> 92
 <211> 870
 <212> DNA
 <213> Homo sapiens

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<210> 93
 <211> 499
 <212> DNA
 <213> Homo sapiens

<400> 93
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<210> 94
 <211> 654
 <212> DNA
 <213> Homo sapiens

<400> 94
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<210> 95
 <211> 431
 <212> DNA
 <213> Homo sapiens

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ttgacacaga tctattcatt gaacatttaa gaattgtctt ttcacatata cgtatatctc 180
atatatatga gagaacatct tttagtaaac tttaacaagt gtctctcttt tacatatata 240
catgttgatg aatgttaaa tagcaaaagac tcaagccctt accatactaa tgttctctct 300
tttcaagaca gatctttatg ggcagaaaca cagaaatgga agtagcagat ttttaaaaaa 360
ctgattcaga ctttgaactt gtatgacctt atattttatt atttttttga gtcataagat 420
ttctgggttt t                                     431

```

```

<210> 96
<211> 616
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> unsure
<222> (15)
<223> a, c, g or t

```

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<220>
<221> unsure
<222> (61)
<223> a, c, g or t

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<220>
<221> unsure
<222> (191)
<223> a, c, g or t

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<400> 96
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nccctggggg cacagagtag gtttctgtg agctgggtcg ggccatggct tgcgccttg 120
caattgcccc tgggggcaac agacttaggt tttcatgtga gcttggtcgg ggccatggct 180
gccgccggca nctgcccttg gggcaacaga gtaggtttcc tgtgagctgg tcggggccat 240
ggctgccgcc tgcacctgcc ccggggcaca gtagtaggtt cctgtgtgct ggtcggggcc 300
atgggtgccca ccggcacctg ccttggggca cagagtaggt ttctgttgag ttggtcgggg 360
ccacggctgc cgctgcact gccctggggc acagactagg ttcatgtga gctggtcggg 420
gccatggctg ccgccggcac ctgccctggg gcacagagta ggtttcgtgt tgccttggaa 480
attaaggcgt aattttgatt cagtttttcc taaagaagca ttttgcatct ttatggcttt 540
tgcatgtcgg gagaagactt ctctatcttg gatgcatttc agaaggcgct tctattaaac 600
atgaatctgc aaacag                                     616

```

```

<210> 97
<211> 1636
<212> DNA

```

<213> Homo sapiens

<400> 97

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ctgttttcag attcatgttt aatagaacgc ccttctgaaa tgcattccaa atagagaagc 60
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aaaattacgc cttaattgttc caagcaacac gaaacctact ctgtgcccca gggcagggtg 180
cggcgccagc catggccccc accagctcac atgaaacctc gtctgtgccc caggcgagtg 240
caggcgccag ccgtggcccc gaccaactca caggaaacct actctgtgcc ccaggcgagg 300
tgccgtgtgc agccatggcc ccgaccagca cacaggaaac ctactctgtg ccccggggca 360
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cagggtgcagg cagcagccat gggccccgac agctcacagg aaacctagtc tgtgccccag 480
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ggcgagggtg cgtgtggcag cgtggccccc accagctcac aggaaacctc ctctgtgccc 600
cagggcagggt gccggcgcca gccgtggccc cgaccagctc acaggaaacc tactctgtgc 660
cctgggtcag ggcagtggtc cggcgccgac gtggccccga ccagccccca ccagctcag 720
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cccgacactg tccccatcac ggggggtccc gctgtctctg cgggagccat cactgggtcac 840
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tgggacctgt tgctctccca cgtgggagcc ccagggtgct cgctcagtg ggatctgtac 1560
cctgccctc acagagatct accatgcaga gacctcagac ttgcgtggga cctcgggagg 1620
ccccgggtc cattga 1636
```

<210> 98

<211> 638

<212> DNA

<213> Homo sapiens

<400> 98

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gcagagatta tctcagagag ctctttgacc atttaattta taaataattc tacttgtgtt 60
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agggttttgt tttgtagctgt aatattttat agaaatttta ggattacttt cataaaaatt 180
tcttaatact tcagagctaa ttcaagaaac ctgtgtgcat taacgtcagg aagttaactg 240
tcccacataa ttgccttgga gttgtttctg attgttgatt atgggtctcaa ataattatct 300
gacaggtttt tgggtaggaa tttttctgct gccacacact gtctctgttg agaattgaga 360
ggtacatttc ggactttata tttttatgaa acatttggaa ggttgggggtg gtggatgcca 420
ggtttctaaa tccagaaaaa tgtattttgt tagactatga gtatccctaa tctttaacct 480
gggttaattg gatgtggggg agtatattgct ttgatttctc gtgtataact caccgatggg 540
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tttccattgt ttgattttct tcgcgatag gtttttcaga ttacaattag tctaaattag 600
ctgggtcggt ggacatgact gtaatcccag cacgttga 638

<210> 99
<211> 1253
<212> DNA
<213> Homo sapiens

<400> 99
aaggtagtgc cttaaagggtg tcatctttaa tagcaactgc tgtttttcac tcataagttt 60
ggatgtatgt agcaataaat gtagggtttc tattgagatt ttgggataaa ctattatttt 120
ttctaataga gtgataagat attctctact ttgctctcat tctgaaaaac agctaccatg 180
aatattataa cttacatctg ttatcttgct tcagcatagt aatattttaa gtgattaaag 240
gaaacaaaatg tttacotttc aaaagatgca ttcattttat tcatttatat aaaaaaactg 300
cacgtttaat atatacattt tgagtgaagt cattgttaat taaggagagt tacagccctc 360
tttgactact gaagagactt tatgattttc tttctgttaa gggtagtatt tacataaaaa 420
ataatttcat caaacagag agaggccaac agacattaca tgcactctca ggtgggtcca 480
agcagagatt atctcagaga gctctttgac catttaattt ataaataatt ctacttgtgt 540
tttctttcta ctttctactg tttctctctt ccacttttaa aaaatgttgt gtttcttatt 600
cagggttttg ttttggactg taatatatta tagaaatttt aggattactt tcataaaaaat 660
ttcttaatac ttcagagcta attcaagaaa cctgtgtgca ttaacgtcag gaagttaact 720
gtccccata attgccttgg agtgtgtctg aattgttgat tatggtctca aataattatc 780
tgacagggtt ttggtttaga attttctctg tgcacacac tgttctgtgt gagaatgtag 840
aggtaacatt cggactttat atttttatga aacatttgga aggttggggt ggtgtagtgc 900
aggtttctaa atccagaaaa atgtattttg tttagactatg agtatcccta atctttaaca 960
tgggttaatt ggatgggtgg gagtatttgc tttgatttcc tgtgtataac tcaccgatgg 1020
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gcctgggtgc gtggcacatg actgtaattc cagcaatttg aggaaggeta aggcaagcgg 1140
atcgacttag ctogaattca agaccagcct gggcaacatg gcgaaccctt gctctacca 1200
aaaaaacctc atgcogaatt cttgcctcgg ggccaaatcc ctatgtggac aat 1253

<210> 100
<211> 1479
<212> DNA
<213> Homo sapiens

<400> 100
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cactttacct ctacactgcc cgctgcatgc tgacactgcc ttcatatgg tgggcatc 120
acagcaaatc tctgtggag tatagatggc tatgactaag gtatgtgta ggtgtgtct 180
tataaaatat gctctgcttg ccttagggga aaatagtctc ttaaaaaagt tctcatcca 240
ctctcagtg ttaagatctc taaacaaaag tgaccacatc tatacacaac agtaatgaca 300
cctgaagaaa ttttttaaca gataaagaac agtactccca tggttatgta accaaccac 360
taggaaggag agacttttaa attgacaaca tccagagat gttatatcct aagttatgaa 420
tgtgtgcgc ttgaagaaaa atcagcttct tcatattact cacatatata tattattaca 480
taacaatgtg tcaaatgtga ctacagtga tcaagagatt attgcagctt ctgaagggtg 540

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cagactttta actttcagat attgcttaat gcctgggaaa ccctgggaac cacgccaaagt 600
caatttaacc aagcttttgc tttttagcca gctgtgatgg tggtttctac atagctctgga 660
taaatccaag aatacttttca tggccctagt gaaatttgcc tttttgaaat tattagggaaa 720
acgaaataca cattaatgaaa ctcttatcac tcctaaagaa aggggaaaac ctattaanaa 780
tgaagctctt atttactaat gcatttctat ttcaggagca tttggctaaa ctgggggacaa 840
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acctgtgtgt cagtaagcgt caggatagct ctgttgacag cagggcattt agagagtccc 960
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caaccttgag gctgtgagat cattagtcaa ttgctttaat tataagccct gttttttttt 1440
aaatctaaaa actaataaac atctataagg ttaaaaaa 1479

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<210> 101
<211> 2313
<212> DNA
<213> Homo sapiens

```

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<400> 101
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ccttagataa ccttagaata tatcacttta tacagcattg tattttaaga tacaanaatt 180
ggagatagtt ctcaagcatc ttccagctcc tgcttgtgaa tcttagccca agataggttc 240
aataatggat ttaagtcct cctaggcgtt ggagtgcac ttaacaaaca ccaatcagga 300
cttttattag taagaagaaa actaggaaa ctgttgtttt ataacttaa tggctctgta 360
cttttaacct tgatttttca tggatttttt aaaagtaatt tcaagtgtaa gagacaattt 420
aggcaaatca taacatattt tatcagagac tgtgcacaaa gggcactttt aggtagcttc 480
attctccaca ggttctatc ataatcatg aggtgttacg agaatttgg tcagggaatc 540
agaaaagtgt ggaatttaca atcacctaaa gcaatatgac ttaagaaaaa tctgttacct 600
cccatcatct ccttttccca tcctgtttaac atttgggtgt gatagattta gataagttga 660
cattagtata gatactttac tattataaga ggttgtcttt ggtagaattc tatgatctta 720
aagtgtctgt actacaagtg tggacaggtg taatcacttt acctctacac tgcctgtctg 780
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gaacagtagt cccattggta tgaaccaac caactaggaa ggagagactt taaaattgac 1080
aacatccagc agatgttata tcctaagtta tgaatgtgct gccgttgaag aaaatcagc 1140
ttctcctaat tactcacata tatatattat tacataacaa tgtgttaaat tggactacag 1200
tgaatacaag agttattgca gcttctgaag gtgacagact tttaacttct agatattgtc 1260
taatgcctgg gaaacccctgg gaaccacgcc aagtcattt aaccaagctt ttgcttttta 1320
gccagctgtg atggtgtgtt ctacatagtc tggataaatc caagaatact ttcattggcc 1380
tagtgaattt tgcccttttt aaattattag gaaaacgaaa tacacattat gaaacttcta 1440

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<221> unsure
<222> (190)
<223> a, c, g or t

<220>
<221> unsure
<222> (192)
<223> a, c, g or t

<220>
<221> unsure
<222> (198)
<223> a, c, g or t

<400> 102
agaaaatggca aacttcctct aaaacttgcc acacaaagat tatttttct tctctgtctg 60
cacctgagat ctcacactca atttatccat tgctgaaatc tgtggcaaag ctacccctga 120
tcgagagatt ccatctcnnn nnnnnnnnnn nnnngtcant tttaaaggct ancatccaag 180
anttggnn gnatgtgngc atgtttatat ttagaag 217

<210> 103
<211> 667
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (231)..(542)
<223> a, c, g or t

<400> 103
acacaaaagc gtattgtggg ggagaaaagc cagcaaaaagg aacacagaga aagatcttaa 60
agtttcactg ctaaaaggat ttattacata acacggccac cttttgccag ccagaccaaa 120
ccgaaagagc aatggcgtga ttctgaaag tagcattctg tccggccgaa atatgggta 180
gagatttaaa aagatttttt taaaggagct caatgggtaa aagtcagctt nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
ncttctctct aaaacttgcc acacaaagat tatttttct tctctgtctg cactgagat 600
ctcacactca atttatccat tgctgaaatc tgtggcaaag ctacccctga tcgagagatt 660
ccatctc 667

<210> 104
<211> 451

<212> DNA
<213> Homo sapiens

<400> 104
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ctaacatatg attatatata actataatgt gtactgtttt acatatatat ttccaaagta 120
tactataaat gcacttccgc actttgtctt ttttactaaa tatatcttgg aaatcatcct 180
ttattcgtac ataaaaagct tcatagttcc tttttatggc tgcaaaatgt tccagcttat 240
ggatggactg attctctatc gagcaacatt aagattgtgt cctattttac tattccta 300
tttgcgtgaag tgaatttctt ttgccatgtg atttccacag gtgtatatat gttagcgtat 360
tagtactagt agaaagtaga attgctagat caaagagtag gtgccttgta atttttagta 420
tattgtgaaa tctcttccac agaagttggt g 451

<210> 105
<211> 852
<212> DNA
<213> Homo sapiens

<400> 105
ggacggagtc tcaggctcagg aactgcagtc atctcctttg ctgggtttca gcatttccct 60
ccttgggaat ctacttctat ctgcaggttt tttatacctt atgttcacct ttggttgat 120
ggaagtcggt ctcttactgt ttaatccaac ctccagtgac agaagtagaa ttaactaaaa 180
cacaagttag gctccatgct agccaagaac tcagtttttc ttggtctgca gatgagggga 240
tgttcagtat cctaacctgt tctctggtca caggatggtg ttctctctggg tgtggctcac 300
gagcctccca tcttagaatt ttctaggagc cggaagtggt gcaagctcta gagccctact 360
ccggacttgt tgaattctgaa tgggttagtg ctggggctca ggacctgtga taggaaagtc 420
acagaaagca tagatctgtc tgaagaaact gctgcagcct ccattcattt ctttcttcat 480
cttcaggacc atgacttcga actttgttag gatccaacct gcaggggagat ttcatgtcag 540
ttcagtcaca cacacantca cccactagca tcgctgtatc caatatcttc tctggatgtc 600
aggagagctc tgtgctggcg ctcaaggacc tcagggtcta gttgaaggaa tgaagtgtgc 660
tcatattaaa agaaaagtag caatgcaaa caaagaaggc caagtgcaaa tgtgcagtg 720
aaacttgatt ttaaggagg ggagaggctt tggccttggc caggatccca aggaaggagc 780
tgaagacatg gaattggagg cagtgaagaa ggtggtcttt ncagaggagg cagtgttgac 840
aaggccctg ta 852

<210> 106
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (84)..(129)
<223> a, c, g or t

<400> 106

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taggttacttt tctctactaa tagtctttcc agaaatcttt catatttcat ggggttattt 60
ggggattccag aaagccaccc agannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnc actgcatttt aggaaggtga gaatttagag aagagaacac cacttggaat 180
ccctgcttag cggtgaatgt gaaagtagac atagtggttt cccttttctc aagtgactgg 240
gtcttacttc aagtaaatta gacatttctt ggagatcagg ggttgtgtat ttctacttct 300
ctatatagcc atagtactct ttaagagttc actaactacg tgttaaattg gaactcatga 360
tggttaacaa tagctcagtg gagatgttct acagttattt catacatgct actttgaagt 420
agctcagctt attttgtgaa gtgagtgtat gtgccca 456

```

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<210> 107
<211> 501
<212> DNA
<213> Homo sapiens

```

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<220>
<221> unsure
<222> (393)
<223> a, c, g or t

```

```

<400> 107
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attgtggatc acaacgggat aatccaggat ctagtttcta gtgatacaag agagggactt 120
ggttatgaat aactagataa aatcttagtg cctgaaacta ggtcacaata tcagagcagg 180
atcagcagaa tgactgatcc tactgagcag ataagctacc agtctgaggc ttctaaaaat 240
tctccagta tagagcacca gccccaggccc tgaggccaag ataagattcc aggtggaact 300
tcattggtcc aggtggccaa agggctggag ggctttgcct gaaaagatca ctgcagatag 360
tatttgagaa aattactcaa aaccagcctt ggntatatct taggcaagaa ggaagatt 420
ttaaagact ttgtgaattt gtttcagttc acttgttttt tgtggagtac attttactca 480
ctgatacac aaacttcata g 501

```

```

<210> 108
<211> 377
<212> DNA
<213> Homo sapiens

```

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<220>
<221> unsure
<222> (317)
<223> a, c, g or t

```

```

<220>
<221> unsure
<222> (333)
<223> a, c, g or t

```

```

<220>

```

<221> unsure
<222> (341)
<223> a, c, g or t

<220>
<221> unsure
<222> (369)
<223> a, c, g or t

<220>
<221> unsure
<222> (374)
<223> a, c, g or t

<220>
<221> unsure
<222> (354) .. (355)
<223> a, c, g or t

<400> 108
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agtgggaattg ctgtgtcaaa gaaatgtttt tttagtgtgc ctctatagag actgtaccaa 120
ttaacagaat aggagtcttg ctgcatggga tattgttaag acttggtggg cetttgttaa 180
tataagagaa aattggtggc ctttcagaat ttaagtagta tttttgtaga tacatattta 240
agagtgtatt ttgtgtgtga actgtttatt ttttgtcatt tattctattt gattgtggtt 300
tatctcattg attgtangaa ctctttgcct tcnttttctt ncgatctgac aaannttttc 360
ttttcatgng gatntcc 377

<210> 109
<211> 884
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (108)
<223> a, c, g or t

<220>
<221> unsure
<222> (140)
<223> a, c, g or t

<220>
<221> unsure
<222> (300)
<223> a, c, g or t

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<400> 109
aactgagggtc cagaggagct tgggtgcctt gcccgaggtc acacagcttg tgagtgtctgg 60
ttggagctga ggaacgtga gaaaattgtt gttcccaagc tgtgaagntg ccacatgggg 120
gccagataaa attattcttn ttcttttttag agatagggtc tcaccatcat tcaggttgta 180
gtacagtggc gcaatcatgg ctccactgcc cctccaactc ctgggcttaa gggatcctcc 240
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taaaagtttt tattttccat agagattggg ctttgccatt ttgccaggc ttggtcttgaa 360
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agccactgtg cctggcctgt tctttaaaat atgagataat atatctgttg gatggatgcc 480
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ccaattaca gaataggagt cttgctgcat gggatattgt taagacttgg tgggcctttg 600
ttaataataa gaaaaatttg tggcctttca gaatttaagt agtatttttg tagatacata 660
tttaagagtg attttttgtg gtgaactgtt tatttttttg catttattct atttgattgt 720
ggtttatctc attgattgta ggagctcttt gccttcattt tattacgata tgacaaaaat 780
tttcttttca taggatatac ttgtttttgg tatttttttc ccccatatgg tgtctctctt 840
tcttaaaaaa aaatcctcgt gccgaatgta tcgtcagggc cagt 884

```

```

<210> 110
<211> 471
<212> DNA
<213> Homo sapiens

```

```

<400> 110
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aggggagagt acacagggat tcttgggtta agaaatcttt atattctcat ctctctctaa 120
aagccaagag ccctgttaga taattttcat agaaccagt gtctcaggct ccagactcta 180
gatactttaa atactataat aatttattat atgcaaaaat aacctctatt taactttagc 240
taattttata agcagtccta gcaattcctc tttgtttggt agctatatat aggggaatgcc 300
tttgtaaaaa ggaaaattac tgtgggtgtc cagcataacc aaggcatttg atcactgtgt 360
tcagtagtga ttttagagtg atgctgtctg ataagggtac tgatttttta ctttaagtct 420
tgtttactat gataataaca gttaatatatt attattttta ctagatattg t 471

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<210> 111
<211> 233
<212> DNA
<213> Homo sapiens

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<220>
<221> unsure
<222> (96)..(121)
<223> a, c, g or t

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<400> 111
aatatagggg tgatgaagcc agctcttgct acatatatct ttactataat atttaacaga 60
attgaatggt cactgatgtg ttagagtga aggtgnnnnn nnnnnnnnnn nnnnnnnnnn 120

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ngcaagatat gtccaagtat gcatggttgt tttctataat gtgtatgttg agtatatctc 180
tattatctgt gttgggggta gaactaactg ttttgggccca ctttattgag ttt 233

<210> 112
<211> 771
<212> DNA
<213> Homo sapiens

<220>
<221> unsure
<222> (342)..(410)
<223> a, c, g or t

<400> 112
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taagtaggaa gatagtaaca atttcaaact tctactcagt tcataaaaata gccttaattt 120
ttaaaagcac aacttgacaa aactgtaaga acttttcaaa tgtacaacaa aggtggaaga 180
acttaataatt tttctcaata attgatagat caggaagaca aaataaaagt aagtaataa 240
ttatctgaat agagttaaca agctacctaa tacaacata aataattatt cagcacattt 300
tagggagcat tgtctatgat ctgacactt ctctaatacac tnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn taatagacaa 420
caataagtaa ctgataaata tatgatatgc taaatgggta aaaatgccat gaagaaaaat 480
aaagcagatt aaaggaggta aggagatgca aaatggtagg gaggagggtt gctattttac 540
atattcagtg atcagggatg cttaactcat aagattatat ttgaggagag acctgaaaga 600
agtaaaaggt gagccatgtg agaagaatgt cccaggcaga aggaacagca gttaaaaagc 660
cctgatgcaa gaatgtgctt ggcctatttg agaaacagca agactagtgt gcctggagta 720
gagtgaggaa cggggaaaagt tgaagaagat gttaccaggg aacatgcgga g 771

<210> 113
<211> 453
<212> DNA
<213> Homo sapiens

<400> 113
cgttaactga tcatccaat acaatcctaa agatatatca gaagctttat tttggtacaa 60
agtcataaga atcaaaactt ttttaacatc tcacattagg tatcaacagt aattgtttga 120
gatactttta tatcaattct gttacactga gcccttagtc atactaagc aatgcagaag 180
aagttatagg aaaacgaatc ttcactgaaa ctagtattat ataacttga attagatggt 240
taaaaaaact tatagcttga tataaaatga gttgaaaatt attatttaatt aggaagcagc 300
attagatttt tgtcaactgt tttcagataa tattttctagt ctatgtatgt tatttaattt 360
ttacactttg gccattgtt tattttcctt aaggaaattca tcaaatgcaa tgaattttga 420
ataaaattga tcatagcaat aaataatttt taa 453

<210> 114
<211> 810

<212> DNA
<213> Homo sapiens

<400> 114
caagaatcat aacataaagg gattcatgct tagaaaaaat ccataaaact ccttctaaat 60
attgagacat tccaggcttc ttccagacaa ataacttcta attattccat atttttcaag 120
ttattaacca agataaagaa tctctcagtt agtggggaaa atgaaaaatta ttaagaatag 180
aattgtcttc tgactttaaa aacaatttag actttaaaac atgaacgttt actcaggctg 240
gtgatactct agttgttagt ataccatact tgaagatata atcaagatca ctatagtgtg 300
atataattctc tatttttata tgtaaatgtt aacttagttc aagtattttt gcttgtatcg 360
ttaactgac atcaaatata atcctaaaga tatatcagaa gctttatttt ggtacaaagt 420
cataagaatc aaaacttttt taaccattca cattagggtat caacagtaat tgtttgagat 480
actttttat caattctgtt acactgagcc tttagtcata ctaagagaat gcagaagaag 540
ttataggaaa acgaatcttc actgaaacta gtattatata atcttgaatt agatgtttaa 600
aaaactttat agcttgatat aaaatgagtt gaaaattatt atttaatagg aagcagcatt 660
agatttttgt cactgttttt cagataatat ttctagtcta tgtatgttat ttaattttta 720
cactttggcc cattgtttat tttccttaag gaattcatca aatgcaatga aatttgaata 780
aaattgatca tagcaataaa taatttttaa 810

<210> 115
<211> 155
<212> DNA
<213> Homo sapiens

<400> 115
ctctaactct aggagtaaca gccgctccta acatctgctc ttccatgtg ctttagagtt 60
ctctctgctt attagccaat tcttcattac tccaatcccc catcaccaaa tagagttgat 120
aactctttac agtaaaactat cctctgttgat attgt 155

<210> 116
<211> 160
<212> DNA
<213> Homo sapiens

<400> 116
ctctaactct aggagtaaca gccgctccta acatctgctc ttccatgtg ctttagagtt 60
ctctctgctt attagccaat tcttcattac tccaatcccc catcaccaaa tagagttgat 120
aactctttac agtaaaactat cctctgttgat attgtaaaag 160

<210> 117
<211> 553
<212> DNA
<213> Homo sapiens

<400> 117

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accacgtccg gccctcttc tcttaattta aatgttttct tcagcaaaca gtatcctagg 60
agcattgtct atatggggcg gaatgtcctg gctgcccac gaggtgtct ttagataccc 120
tttgctctgt tcagtgccaa gtgaacatcg cagagatctg ccttgtgtct cctgcaccc 180
ctgggtgcag gggagctcct gctgcctcct ctggagctgg tggggggctc actgccatcc 240
ttggatccct tcctgccgtc agcctgctgt cctcagtcca ctgggaggag ggggtgcgct 300
gtggttgtgt tgagccttca taggtgtcct ctggtgggct tagaatgggg gttcttaate 360
ccccccagta tgtgataga attcaggggg ctgtgaacat ggatgaggaa aaaataacat 420
tattatttat tactaatgta gctaaaaatat gtagtgtgac ctttgattat aaatgtagac 480
aataaacctc acagcattag aaaggcctgt gactaccac ataacaaca agcacattgt 540
tgtcctgaa ccc 553
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<210> 118
<211> 593
<212> DNA
<213> Homo sapiens
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<400> 118
accacgtccg gccctcttc tcttaattta aatgttttct tcagcaaaca gtatcctagg 60
agcattgtct atacggggcg gaatgtcctg gctgcccac gaggtgtct ttagataccc 120
tttgctctgt tcagtgccaa gtgaacatcg cagagatctg ccttgtgtct cctgcaccc 180
ctgggtgcag gggagctcct gctgcctcct ctggagctgg tggggggctc actgccatcc 240
ttggatccct tcctgccgtc agcctgctgt tcctcagtgc actgggaggga ggggtgcgct 300
gtggttgtgt tgagccttc ataggtgtcc tctggtgggc ttagaatggg ggttcttaate 360
ccccccagt atgtgatag aattcagggg tctgtgaaca tggatgaggga aaaaataaca 420
ttattattta ttactaatgt agctaaaata ttagtgtgta cctttgatta taaatgtaga 480
caataaacct cacagcatta gaaaggcctg tgactacca cataacaac aagcacatgt 540
agtcctgaa cccaaaaaaa aaaaaaaaaa aaaagatctt taattaagcg gtc 593
```

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<210> 119
<211> 94
<212> DNA
<213> Homo sapiens
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<400> 119
ttaaaatttt taaaaaata aaaaagaaat cttgtgactt tatccccagt ggaaatcaca 60
ggtatttcat atgaagtat agttactgct gata 94
```

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<210> 120
<211> 82
<212> DNA
<213> Homo sapiens
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<400> 120
gaaaaagcc attctgcaac atgaaagtgc aaggtgctga ttagcagct gcagcaagtt 60
atcaagaata tctaactaag at 82
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<210> 121
 <211> 431
 <212> DNA
 <213> Homo sapiens

<400> 121
 gcagtgttca ggacaggggg ataagctgag gccttagcaa tcaggagagg catcgtggag 60
 ggggtggccc tgagcagtc caactgccac cagccagagg ggcacatcaa taccagtgat 120
 aaaaagcatc ttctctctcg ettcctatgaga ggggctggag tggactcagc tcccaccag 180
 cccaccaccc aagctggcat cattggccag ggcacaaccc acgtagctct cagcagtggc 240
 cctgggctgc tccttgctgg acaggatagg ctaaggttgg taaaggaaaa ggggaaggag 300
 aaccaggtaa caatcccata agcagggtac caccgcgactc atcacaaacag agggaaaagg 360
 ctgtcatggg ggcactctgat tccgaattga cctgtttcta atggcttcgg tgtttccttt 420
 cttttccagc a 431

<210> 122
 <211> 750
 <212> DNA
 <213> Homo sapiens

<400> 122
 agacaaaacc caagaatcag cttctcttcc cttcattact cttgcatggg tgttggtctc 60
 aatttctcca tctagttagg cagtcctttg ctttttattg cttgtttatt gatgacattt 120
 gccatttcta gcaatagtaa tagaatcctc tatatatatt tggccttggt gaatgtagaa 180
 aaaggatagt ggcattttct aattgtgtaa cctcataaca ccttgacggg ggactacagt 240
 tcatatgctg gaccttttgt gtttggtcat ggcgtgtggg ttgctttaat atacttagca 300
 cattgtccta attgccatcc ttttggggag ggctatatat ccaagcta atgggtagcat 360
 ttttgtttta acatagagct gacccaaggt agacgtaagt gttgttcatt ttgcctaat 420
 actaataaaa ttacctaat gttgaagcct ggagcttgaa tctaggcatt ttatgtcatt 480
 tcaagtacac cctagtattt taaagcataa atctctact atctcaaca actttagaac 540
 aaaaataaat attttaacaa gaaaaaagca tgccatgaca agctgtaact taataaagaa 600
 agacaaggaa tgggtctctat agaccgagaa aaaataggct ctcagatata tttatagcaa 660
 aggaaagtta ggaagttaaa aaacagtgga ctccccccc ccggcaaaaa ctcaacaact 720
 atatattggt tatcacaagc tgttttagtg 750

<210> 123
 <211> 55
 <212> DNA
 <213> Homo sapiens

<400> 123
 ctaatagcct gctgttgact gaaagcctta ctgatagcaa aaccagtgtg ttaac 55

<210> 124
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (384)..(386)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (396)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (398)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (405)
 <223> a, c, g or t

<400> 124
 taattatttg catgaaataa atcatcagtt gaaacttact atattaaaaa acataaaaaat 60
 aagccctttt ttacacaca ccagtgccctt gaaaaactgg cttgcccaat tcaaaatggc 120
 aaaattaata aaatgagtag ctaagcattt tatttgcaat tgtatctttg catttatttt 180
 tagagcataa tcgagaaata tatttattga ttccctaaagg aaatgtttac ttccctttat 240
 ctggtaatta cggaacaaa ttgcctgggtc acatttgaaa taaatgaatc anatttgagt 300
 caatgtgtta tagataacta aagttacatg attgcaattt attcacagag tgttttttta 360
 aaaaaatcat tgaagtgact ggannnaatg tacttnantg aaatnttaaa aaatggagaa 420
 gagtctcagc atgaagtgct gaaggcttct 450

<210> 125
 <211> 398
 <212> DNA
 <213> Homo sapiens

<400> 125
 gctctctagc tcccggacct gagcgttctt gccttgcttt ctctcttttc tctcatttat 60
 gctattttctg gcgtgtcatc actggcttac ccattatgta agctttaagt gaaaaaatca 120
 gatgttattt tcatgagctc tgagggcact tctgcatttg ttctcatttg actcttctga 180
 agcctggaga tgcacaggaa ggagcttttc actgcagatg agcagcatgg aggaggcttt 240
 tggagatgaa atgaattgtc caaggtccag aggtgaggag ctgggaccag gcctcacagg 300
 cttctgttct tgggtcctgt cccgtccctg gtttctgctc tatccagggtg gtgccttcta 360

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<221> unsure
<222> (183)
<223> a, c, g or t

<220>
<221> unsure
<222> (195)
<223> a, c, g or t

<220>
<221> unsure
<222> (241)
<223> a, c, g or t

<220>
<221> unsure
<222> (243)
<223> a, c, g or t

<220>
<221> unsure
<222> (283)
<223> a, c, g or t

<220>
<221> unsure
<222> (296)
<223> a, c, g or t

<220>
<221> unsure
<222> (315)
<223> a, c, g or t

<400> 127
cagaaaaatat ttggccagaa gaaataaagt atgatcctaa tagaatccag aagcgtaagc 60
atagcactaa atgatgccct taggcctgat ctccaagcca gtcatactgt ataacgtaag 120
atttgagccg gtgtcggat cntcagacat gnaggaggaa gtgattnaac natgaacagt 180
tgnaaagtgg cagcngttag gacaacccaa attgttttc caagagaaaa caatccacac 240
ntnaaaaaaa aaattgggccc ctttttcttt ttgtcctggc ttntgtcttg gccacnttgg 300
ccacatagtg ttgtntgtta aatataataa aactcattag ggcagtcctt cattaaaaat 360
ggcatcagct ctagaaactc actattttaag cttaaaggac tacatatcca tgatagagtc 420
gagatgcccg 430

<210> 128
<211> 113
<212> DNA

<213> Homo sapiens

<400> 128

tacaaaacaa aaatgatcag tgagaagcta ggtggcgta aatgcccggg caaaaagggg 60
ttaggtctgc agcgctatac tcagatgtaa cttacagatg caactagcgg aaa 113

<210> 129

<211> 689

<212> DNA

<213> Homo sapiens

<400> 129

cacaactcta gaaggtgcct gtcacaccgt tttgtatgaa aggtgcctcc tagagtatag 60
ctgtacagta gactcatttt tgatataaga agggataaag cacacttgac agatgatatc 120
aaaatgtaaa agaaaagaag tgtctgtttt agaaggaagc tgtagtgatg aataggccaa 180
ggtttaggggt gtggtagcca tgggtggtaaa aataggatca cttaactctag attacttaat 240
cagtaagttg attccagggg ccagtgaggaa ttgctgaaag ttccatctga atacatggaa 300
tttttagcag tgattagggg aatgggtgctg gtattttatag ccatgaacct attacttgaa 360
agcatcctag ggacccaagt cttaaatcaag gggcagttct tccaagtagt ggttgaggaa 420
gttgggtatg ctttccaaaa cttcttttct cactaaagat tgcagatata ctctgtaagt 480
gaactcacag aatatactca attgtcatat ttttaattac atgtttcttc tgattatagg 540
tcccacgtga ttataagttc tgagatcaag ggtcatcttt gtgggggtgt gtgtgtgac 600
ttaaaatttt tatgtgctgg taatagttat ctttgggata ttttaagaaat aggaatgtgt 660
gccatatttt aaatacacct tatatgcaa 689

<210> 130

<211> 1901

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (1582)..(1837)

<223> a, c, g or t

<400> 130

tccttttaaac tgtctttacc ttgtctccat taatattcac atttaaggta accgctttca 60
taaaaacatc actgaataac tcccctgggt cctgtcagtc cagcattatt ctcaccattt 120
atagagtttc aaatattggt aaactgtagt ggctatcttg cttttatgta ttttgggttt 180
atgcacattt cctccacaga ataggaattg ttttcgggat tgttctctat ctcttctcca 240
agtacctagt cagcaacccc ccatgggtgc tcagtaataa tgaaatgatt atacttaacc 300
tcctctcata gctcagacta ttccatgaac aatttatgga cataaaaaac tatgccagta 360
gacatttaag gatatttttt atgggtgacta tggaaattgc ctggttatac atttatatat 420
agagtcagta acattgataa aaacataaca aattactggt tcatggaaac catgaggcat 480
taagaggctt atttagtttt gtttagatac aaggtagtgt cttccaaaac attgttactt 540
caaaattttt ttagctgctc cagttgaaca ctatattaaa atgcacattt ttgaggacat 600


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cctacattaa attttgattt tgaatttttg catcttttcc ataaacttct tttctacagt 180
gttttttaaa tcaaatgtac gtgtcttcat cttctctttt tttctcctgt agtttctttt 240
attcggagtt attttaatga aggcaccaag gtctcctgggt aatctcatgc tggctgatat 300
ttttttntaa catttaatat aaaatttttc acacataggc aaatttgaaa tgtttgcaat 360
gaaatttttt atacctgcca cctagctatt accatgaata ttttagtata ctgtctttat 420
cacatatctg gtccatttat c 441
```

<210> 135

<211> 499

<212> DNA

<213> Homo sapiens

<400> 135

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tagcttccct aacatgccag tctacagttt actccaaatc ccaccaggag aagccacttt 60
aaaaatacct gataaattaa aattcattaa ttttaattcta ttaagtcctg ttagtcctat 120
cattgtgccc attgctgaca caataccaaa tttacacagt tgcagtgtcc gccatgagtc 180
aagaaaaatgg ggtctaattc ttccctgccac cttagatctg aattattctg aaaaagaagt 240
ggatgtactg atagatggaa agatcgaaat gattttttta ggagagattt tcttgcgctc 300
atgataaaaa aatcctgttg gaatagatat tgtatccatg cctcctcaag tacagggtcc 360
caaggtcaag gccagacagt aagccaagtg ctatagaaat ttgtggtagt ggtacaatta 420
gcaatacata ataaatttga gctcttagga tggttaaaga atttgaggga aaaaacttaa 480
aaccacctct taaaagcaa 499
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<210> 136

<211> 701

<212> DNA

<213> Homo sapiens

<400> 136

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ctccttgagg atttccatat aacgctagcc ttgatattct ggcccacacc atttgtatga 60
aagaagaatg attgttcttt actgagtaag agaactacag agaccaatgg attcaagtag 120
tggaacagct ttaatatgta accatacct gtaccaatgg gtattgggtc tctagctcac 180
ctttaggctg actagtatgc ctatgctgga tgttcaatgc cgggattaga cgggatttag 240
ctttatttag tatctctatt agtcactatg agctataatc ttttagcccc tggatcatta 300
tgaagtgcac caagaataag atacagtggg tcccaaggac tggatcatat agctaaccaa 360
ctcagatggc taaaatacta ttcttgtatt ttatacctag tatttttggc ttgctttata 420
atgggagtag tcattctggg aatctgatct tctaaatgaa agacaacttt atgcctatat 480
tatttctatc ctgccaaaaga tatgtaccaa acttgatttc tggggtttct gtgggattat 540
acatttttct tggactttct ccccttttac tgaagaagtg attttcttaa aagacaccaa 600
tcacttttct ttttttctgt agggaggatg gtgggtgtga ggtgttcttt gcaaggaggg 660
tagacaatga gatgaattgc actgaactag tgttaaagaa t 701
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<210> 137

<211> 274

<212> DNA

<213> Homo sapiens

<400> 137

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gtaaaaaacct aaatgcccaa taataggaat taaactggta aaataatatt gtcatttttaa 60
taatcagata aaatgatata gatgaatatt caatgacacg agaagatatt tataaatatt 120
ttattataaa aactattttta attgggttaca ttatatgtcg ctatgccttc agagtagaga 180
gaagtgcacg tttcaacaca aactgaaaaa tttgtaagat aatggctgct atttctaggc 240
ctgtaaaaat tcattttacc aaagaaaatc atag                                     274
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<210> 138

<211> 352

<212> DNA

<213> Homo sapiens

<400> 138

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gtaaaaaacct aaatgcccaa taataggaat taaactggta aaataatatt gtcatttttaa 60
taatcagata aaatgatata gatgaatatt caatgacacg agaagatatt tataaatatt 120
ttattataaa aactattttta attgggttaca ttatatgtcg ctatgccttc agagtagaga 180
gaagtgcacg tttcaacaca aactgaaaaa tttgtaagat aatggctgct atttctaggc 240
ctgtaaaaat tcattttacc aaagaaaatc atagtttttt tttttttttc tggagatgga 300
gtttcgctct tgttgccacg gctggagtag ctcggccgcg accacgctaa gc          352
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<210> 139

<211> 647

<212> DNA

<213> Homo sapiens

<220>

<221> unsure

<222> (318) .. (552)

<223> a, c, g or t

<400> 139

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tatacacaca tatctacat ctattctctg tgagcatttg tttctgttaa tatgtagatc 180
aagttctagg cacagaaagt tctagaagta tctattaaca gtggggttgg agttaagtaa 240
ataacttact ttctaaccac atttttcatt gatatgcgtt gtgaattttt tatactttgt 300
gtgtgtgtgt atacacacnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 540
nnnnnnnnnn nnaaacaaatg aaaattaggt agtatgatt ttctaacaat atgagagtta 600
gagaaaaaggc ttggatctca gaacaccctc tttgacagcc ggggtgca          647
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<210> 140
 <211> 334
 <212> DNA
 <213> Homo sapiens

<220>
 <221> unsure
 <222> (44)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (214)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (300)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (306)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (308)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (315)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (320)
 <223> a, c, g or t

<220>
 <221> unsure
 <222> (323)
 <223> a, c, g or t

<400> 140
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 ttacgtgcca cttttatgtt attctggact ttgggcagtg tgatttatta tgtctgtccc 120

acattctgtt gtctagggtga ttacgtgaag

990

<210> 142

<211> 195

<212> DNA

<213> Homo sapiens

<400> 142

ccaaaatcct atcatttttaa caagtacaac taccctatatt cctcagaat gtagcattgc 60
ctctgggttg ctgtggatcc tgtattggac cactcagctg tagagtcctg tgggatccaa 120
gcttcaagga gacccatcat gcatgttttag ggccagttcc aggtgtcctt gacatgacac 180
taaacctcca ttccc 195

<210> 143

<211> 57

<212> PRT

<213> Homo sapiens

<400> 143

Met	Asn	Leu	His	Cys	Ser	Ser	Met	Thr	Gly	Pro	Leu	Ala	Ser	Lys	Thr
1				5					10					15	
Ser	Glu	Asp	Leu	Leu	Ser	Leu	Glu	Ser	Lys	Phe	Leu	Ser	Leu	Phe	Asn
			20					25						30	
Gln	Ile	Phe	Leu	Arg	Ser	Glu	Glu	Thr	Val	Thr	Pro	Tyr	Tyr	Thr	
			35				40				45				
Leu	Gly	Ser	Gln	Met	Cys	Asn	Leu	Ile							
			50				55								

<210> 144

<211> 57

<212> PRT

<213> Homo sapiens

<400> 144

Met	Asn	Leu	His	Cys	Ser	Ser	Met	Thr	Gly	Pro	Leu	Ala	Ser	Lys	Thr
1				5					10					15	
Ser	Glu	Asp	Leu	Leu	Ser	Leu	Glu	Ser	Lys	Phe	Leu	Ser	Leu	Phe	Asn
			20					25						30	
Gln	Ile	Phe	Leu	Arg	Ser	Glu	Glu	Thr	Val	Thr	Pro	Tyr	Tyr	Thr	
			35				40				45				

Val Gly Gln Asp Gly Ile Glu Leu Leu Thr Ser Asp Leu Pro Ala Ser
50 55 60

Ala Ser Gln Ser Ala Gly Ile Ile Gly Met Ser His Arg Ala Arg Pro
65 70 75 80

Arg Trp Cys Val Phe
85

<210> 148

<211> 47

<212> PRT

<213> Homo sapiens

<400> 148

Met Pro Lys Leu Leu Pro Gly Phe Gln Gly Asn Arg Ala Arg Trp Leu
1 5 10 15

Asn Gln Arg Ser Asp Ser Gln Ala Ala Arg Glu Lys Val Phe Asn Pro
20 25 30

Leu Ile Pro Val Cys Asn Arg Arg Asn Gln Gly Leu His Thr Leu
35 40 45

<210> 149

<211> 166

<212> PRT

<213> Homo sapiens

<400> 149

Met Leu Val Gly Arg Lys Arg Arg Arg Glu Ser Ser Val Lys Glu Asn
1 5 10 15

Thr Gly Met Glu Thr Leu Gln Arg Leu Arg Gln Lys His Pro Met Gly
20 25 30

Lys Ser Arg Arg Thr Ile Ser Cys Leu Trp Arg Thr Gly Ser Arg Glu
35 40 45

Gln Ser Thr Ser Pro Asp Thr Ser Leu Gly Ser Thr Thr Pro Ser Ser
50 55 60

His Thr Leu Glu Leu Val Ala Leu Asp Ser Glu Val Leu Arg Asp Ser
65 70 75 80

Asn Gly Arg Val Glu Ser Pro Val Asn Val Gly Ser Asn Leu Ser Phe		
130	135	140
Ser Pro Pro Ser His His Ala Gln Gln Leu Ser Val Leu Ala Arg Lys		
145	150	155
Leu Ala Glu Lys Gln Glu Gln Asn Asp Gln Tyr Thr Pro Ser Asn Arg		
165	170	175
Phe Ile Trp Asn Gln Gly Lys Trp Leu Pro Asn Ser Thr Thr Thr Cys		
180	185	190
Ser Leu Ser Pro Asp Ser Ala Ile Leu Lys Leu Lys Ala Ala Ala Asn		
195	200	205
Ala Val Leu Gln Asp Lys Ser Leu Thr Arg Thr Glu Glu Thr Met Arg		
210	215	220
Phe Glu Ser Phe Ser Ser Pro Phe Ser Ser Gln Ser Ala Ser Ser Thr		
225	230	235
Leu Ala Ala Leu Ser Lys Lys Val Ser Glu Arg Ser Leu Thr Pro Gly		
245	250	255
Gln Glu His Pro Pro Pro Ala Ser Ser Phe Leu Ser Leu Ala Ser Met		
260	265	270
Thr Ser Ser Ala Ala Leu Leu Lys Glu Val Ala Ala Arg Ala Ala Gly		
275	280	285
Ser Leu Leu Ala Glu Lys Ser Ser Leu Leu Pro Glu Asp Pro Leu Pro		
290	295	300
Pro Pro Pro Ser Glu Lys Lys Pro Glu Lys Val Thr Pro Pro Pro Pro		
305	310	315
Pro Pro Pro Pro Pro Pro Pro Pro Pro Pro Gln Ser Leu Glu Leu		
325	330	335
Leu Leu Leu Pro Val Pro Lys Gly Arg Val Ser Lys Pro Ser Asn Ser		
340	345	350

<210> 151

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<211> 67
<212> PRT
<213> Homo sapiens
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<400> 151
Met Gly Tyr Gln Trp Tyr Arg Leu Arg Val Asn Ser Ile Ser Gly Phe
  1                               10                      15
His Gly Ser Leu Glu Gln His Leu Pro Val Ser Ser Ala Phe His Gln
      20                               25                      30
Arg Trp Asp Leu Trp Ser Thr Gly Cys Leu Thr Pro Gly Ala Ile Glu
      35                               40                      45
Lys Gly Glu Asp Leu Trp Lys Ala Phe Val Leu Ala Pro Val His Leu
      50                               55                      60
Val Leu Asn
      65

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<210> 153
<211> 63
<212> PRT
<213> Homo sapiens

<400> 153
Met Arg Thr Glu Ile Ser Trp Ser Val His Glu Glu Glu Trp Ile Gln
  1             5             10             15
```

Leu Leu Val Leu Ala Leu Cys Ser Leu Asn Ala Leu Tyr Phe Leu Leu
20 25 30

Phe Tyr Leu Thr Ile Phe Phe Trp Phe Ala Phe Thr Val Asn Asn Ile
35 40 45

Phe Ser Ser Phe Leu Ala Leu Ala Phe Leu Ala Asp Arg Lys Trp
50 55 60

<210> 154

<211> 98

<212> PRT

<213> Homo sapiens

<400> 154

Met Lys Asn Gln Pro Leu Gly Gly Leu Leu Leu Leu Gly Gln Ile
1 5 10 15

Phe Met Trp Pro Thr Arg Leu Cys Ala Ala Gln Leu Cys Leu Pro Ala
20 25 30

Ser Leu Val Leu His Thr Val Leu Ser Ile Val Ser Val Ala Trp Pro
35 40 45

Tyr Pro Ser Ser Cys Leu Pro Ile Leu Asn Tyr Ile Thr Cys Phe Leu
50 55 60

Ala Ser Gly Pro Leu His Met Leu Phe Met Leu Leu Gly Val Phe Cys
65 70 75 80

Ser Phe Leu His Pro Gln Pro Leu Pro Leu Asp Cys Thr Pro Gln Gly
85 90 95

Arg Ser

<210> 155

<211> 57

<212> PRT

<213> Homo sapiens

<400> 155

Met Val Tyr Thr Phe Ser Cys Phe Phe Ser Ser Phe Leu Glu Ser Gly
1 5 10 15

Asp Thr His Arg Arg Ile Asn Gly Ser Gly Lys Val Pro Gly Leu Met
20 25 30

His Glu Glu Asp Leu Val Arg Leu Glu Thr Cys Leu Ala Ser Gln Gly
35 40 45

Ser Ala Val Ser Tyr Pro Cys Ala Lys
50 55

<210> 156

<211> 89

<212> PRT

<213> Homo sapiens

<400> 156

Asp Thr Glu Ser Gly Trp Asp Asp Thr Ala Val Val Asn Asp Leu Ser
1 5 10 15

Ser Thr Ser Ser Gly Thr Glu Ser Gly Pro Gln Ser Pro Leu Thr Pro
20 25 30

Asp Gly Lys Arg Asn Pro Lys Gly Ile Lys Lys Ser Trp Gly Lys Ile
35 40 45

Arg Arg Thr Gln Ser Gly Asn Phe Tyr Thr Asp Thr Leu Gly Met Ala
50 55 60

Glu Phe Arg Arg Gly Gly Leu Arg Ala Thr Ala Gly Pro Gly Leu Ser
65 70 75 80

Arg Thr Arg Asp Phe Lys Gly Gln Lys
85

<210> 157

<211> 65

<212> PRT

<213> Homo sapiens

<400> 157

Met Ser His Ser Pro Val Leu Pro Ala Pro Gln Ser Ser Val Gly Tyr
1 5 10 15

Pro Val Arg Pro Ser Pro Cys Thr Pro Phe Phe Ser Leu Ile Glu Ile
20 25 30

Pro Ala Thr Cys Cys Leu Leu Pro Cys Arg Ile Thr Asn Ala Cys Pro

35 40 45
Val Pro Gly Ile Glu Ala Ala Ile Ala Gly Leu Leu Pro Cys Ser Arg
50 55 60

His
65

<210> 158
<211> 51
<212> PRT
<213> Homo sapiens

<400> 158
Met Val Ala Arg Ile Lys Ser Glu Lys Pro Gly Asn Ser Lys Leu Leu
1 5 10 15

Glu Ile Leu Val Ile Leu Thr Arg Arg Val Glu Val Lys Val Met Lys
20 25 30

Cys Gly Lys Phe Trp Lys Pro Phe Glu Ser Lys Ala Glu Ser Ile Cys
35 40 45

Cys Tyr Ile
50

<210> 159
<211> 116
<212> PRT
<213> Homo sapiens

<220>
<221> UNSURE
<222> (33)

<400> 159
Met Ala Gly Leu Leu Asn Val Thr Phe Ile Tyr Leu Leu Leu Glu Cys
1 5 10 15

Leu Ser Leu Tyr Thr His Val Thr Cys Ser Ser Leu Pro Ser Ser Leu
20 25 30

Xaa Leu Tyr Ile Tyr Tyr Tyr His Arg Gly Leu Gly Lys Lys Thr Pro
35 40 45

Thr Ala Ala Pro His Thr His Pro Pro Ala Leu Tyr His Leu Leu Gly

50 55 60
 Phe Val Phe Leu Cys Arg Ile His Asp Phe Leu Lys Tyr Asn Phe Phe
 65 70 75 80
 Asn Val Tyr Ile Leu Tyr Ala Phe Ser His Ser Tyr Val Lys Ser Gly
 85 90 95
 Arg His Arg Leu Val Phe Leu Phe Thr Val Asp Ala Ser Val Pro Lys
 100 105 110
 Ile Cys Ile Ala
 115

<210> 160
 <211> 81
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (23)..(31)

<400> 160
 Met Gln Asn His His Ile Pro His Cys Ile Ala Val Ala Ser Trp Pro
 1 5 10 15
 Leu Ile Asn Cys Lys Lys Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
 20 25 30
 Tyr Ile Cys Ile His Val Phe Ile Tyr Ala Tyr Val Met Tyr Met Pro
 35 40 45
 Thr Tyr Leu Cys Thr Cys Asn Val Tyr Ala Tyr Ile Cys Ile Tyr Lys
 50 55 60
 Gly Ile Gln Ile Cys Ile Tyr Leu Arg Lys Thr Ile Lys Asn Leu Cys
 65 70 75 80

Ser

<210> 161
 <211> 39
 <212> PRT
 <213> Homo sapiens

<210> 164
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 164
 Met Lys Cys Phe Asp Ile Trp Asn Phe Leu Pro Leu Phe His Phe Ala
 1 5 10 15

Val Asn Gln Ser Glu Phe Arg Ser Ile Met Trp Ile Tyr Glu Asn Val
 20 25 30

Ser Asn Gly Leu Phe
 35

<210> 165
 <211> 55
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (8)..(42)

<400> 165
 Met Gln Ile Leu Trp Leu Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Asn Pro Arg Leu Cys
 35 40 45

Leu Leu Val Ala Leu Lys Pro
 50 55

<210> 166
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 166
 Met Cys Ala Lys Val Leu Val Leu Ser Arg Lys Asp Thr Asp Glu Cys

1	5	10	15
Tyr Arg Leu Leu Lys Asn Ile Tyr Leu Asn Lys Tyr Val Lys Tyr Lys			
20	25	30	

Gly Ile Gln Tyr Ser Asn Arg Asn Ile Glu Ile Glu Gly Thr Ser Pro
35 40 45

<210> 167
 <211> 95
 <212> PRT
 <213> Homo sapiens

<400> 167
 Met Cys Leu Phe Cys Ser His Ser Val Tyr Lys Pro Leu Tyr Glu Thr
 1 5 10 15

Gly Ser Ser Gln Leu Phe Phe Tyr Ser Thr Leu Lys Ile Leu Val Ser
20 25 30

Phe Leu Val Ser Thr Val Ala Lys Ala Tyr Cys Gln Phe Asp Tyr His
35 40 45

Ser Ile Ile Gln Asn Phe Phe Leu Tyr Leu Tyr Ser Glu Phe Gln Ile
50 55 60

Phe Ser Leu Ser Leu Ile Ser Tyr Asp Phe Ile Ile Met Tyr Val Val
65 70 75 80

Val Asp Leu Ser Ile Leu Cys Tyr Ile Trp Gln His Phe Leu Phe
85 90 95

<210> 168
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 168
 Met Asn Asn Arg Trp Met Leu Pro Pro Phe Ser Pro Arg Arg Asn Lys
 1 5 10 15

Gly Lys Gly Glu Gly Leu Gly Gly Trp Ile Ser Arg Gln Thr Gly Glu
20 25 30

Cys Glu Gly Thr Ile Arg Arg Glu Val His Pro Glu Ile Arg Tyr Val
35 40 45

Ser Pro Leu Arg Phe Pro Thr Ile Asp Ser Glu Leu Leu Glu Ser Val
50 55 60

Ser Ser Ile Ser Asp Ala Val Gly Ser Ser Lys Ser Gly Lys Tyr Ser
65 70 75 80

Cys Thr Phe Val Pro Glu Ser Ser Asn
85

<210> 169

<211> 42

<212> PRT

<213> Homo sapiens

<400> 169

Met Glu Ser Ser Leu Glu Thr Cys Ala Ser Ser Asn Pro Leu Arg Leu
1 5 10 15

Lys Lys Thr Ser Phe Leu Ser Gln Glu Thr Pro Gly Arg Leu Phe Ile
20 25 30

Leu Pro Thr Thr Trp Pro Asn Ala His Asn
35 40

<210> 170

<211> 132

<212> PRT

<213> Homo sapiens

<400> 170

Met Gly Arg Arg Thr Arg Thr Val Arg Val Ser Arg Leu Pro Pro Ala
1 5 10 15

Thr His Ser Cys Ser Pro Pro Pro Ile Tyr Ala Leu Ala Leu Pro Ala
20 25 30

Phe Trp Pro Ser Gly Ala Val Leu Val Pro Ala Leu Ala Gln Ala Cys
35 40 45

Phe Ser Ser Leu Pro Thr Asn Phe Leu Ser Ser Cys Gly Cys Ala Tyr
50 55 60

Leu Val Trp Val Trp Phe Trp Leu Leu Asn Glu Gln Arg Gln Asn Glu
65 70 75 80

Gly Ala Met Ser Thr Asp Glu Ala Phe Gly Lys Arg Pro Pro Ser Ile
85 90 95

Ala Leu Leu Glu Gly Ser Val Glu Ala Ala Val Phe Pro Gly Ala Gly
100 105 110

His Leu Asp Thr Val Pro Ala Cys Thr Gln Pro Pro Ser Thr Leu Leu
115 120 125

His Gln Pro Ala
130

<210> 171

<211> 121

<212> PRT

<213> Homo sapiens

<400> 171

Met Val Ser Cys Asn Tyr Gly Tyr Val Arg Val Gln Arg Arg Glu Ser
1 5 10 15

Cys Val Gly Trp Ser Gly Leu Glu Arg Leu Gly Thr Glu Leu Gly Val
20 25 30

Glu Leu Gly Trp Pro Ala Ala Glu Gly Ala Glu Met Gly Trp Gly Gly
35 40 45

Pro Ser Ser Gln Pro Pro Gly Thr Phe Pro Glu Gly Pro Ala Val Gly
50 55 60

Leu Cys Thr Arg Glu Ile Ala Ser Leu Phe Arg Thr Pro Ser Leu Pro
65 70 75 80

Ala Leu His Leu Pro Thr Gly Ala Leu Glu Gln Ala Arg Leu Gln Leu
85 90 95

Arg His Val Gln Pro Gln Thr Phe Ala Pro Ala Ser Pro Pro Arg Leu
100 105 110

Pro Arg Glu Leu Gly Lys Gly Leu Cys
115 120

<210> 172

Met Val Leu Pro Gln Asp Phe Leu Ala Glu Pro Gly Ile Leu Leu Thr
1 5 10 15

Pro Phe Leu Ala Ala Val Leu Pro Gly Val Ala Lys Asp Ser Ser Tyr
35 40 45

Ser Glu Trp Asn Thr Val Gln Val Arg Glu Gly Thr Asn Arg Pro Cys
65 70 75 80

Pro Gly Val Ser Ile Glu Asn Ser Ala Tyr Leu
100 105

<400> 173

Leu Pro Ser His Gly Asn Met Ala Leu Ala Cys Trp Arg Leu Trp Ala
20 25 30

Pro Leu Pro Arg Ile Leu Val Ser Arg Leu Ser Leu Leu Val Thr Gly
50 55 60

Ser Glu Trp Asn Thr Val Gln Val Arg Glu Gly Thr Asn Arg Pro Cys
65 70 75 80

Phe Asn Ser Pro Cys Phe Pro Pro Val Pro Tyr Arg Pro Ser Leu Ser
85 90 95

Pro Gly Val Ser Ile Glu Asn Ser Ala Tyr Leu
100 105

<210> 174

<211> 65

<212> PRT

<213> Homo sapiens

<400> 174

Met Val Trp Trp Ser Leu Gly Leu Thr Leu Thr Arg Glu Arg Asn Ala
1 5 10 15

Asp Phe Ser Phe Thr Ile Pro Ser Gly Leu His Arg Tyr Pro Ser Lys
20 25 30

Val Arg Arg Asp Phe Cys Cys Tyr Leu Ser Ser Cys Phe Ser Ala Glu
35 40 45

Ala Leu Thr Lys Ile Gln Ile Asn Ile Ser Gln Met Gly Ile Val Leu
50 55 60

Ile

65

<210> 175

<211> 65

<212> PRT

<213> Homo sapiens

<400> 175

Met Val Trp Trp Ser Leu Gly Leu Thr Leu Thr Arg Glu Arg Asn Ala
1 5 10 15

Asp Phe Ser Phe Thr Ile Pro Ser Gly Leu His Arg Tyr Pro Ser Lys
20 25 30

Val Arg Arg Asp Phe Cys Cys Tyr Leu Ser Ser Cys Phe Ser Ala Glu
35 40 45

Ala Leu Thr Lys Ile Gln Ile Asn Ile Ser Gln Met Gly Ile Val Leu
50 55 60

Ile

<210> 176

<211> 92

<212> PRT

<213> Homo sapiens

<400> 176

Met	Tyr	Lys	Arg	Lys	Val	Tyr	Pro	Val	Ser	Ser	Pro	Leu	Met	Val	Thr
1				5					10					15	

Leu	Glu	Thr	His	Val	Leu	Lys	Thr	Arg	Ser	Gly	Pro	Gly	Thr	Ala	Pro
			20					25						30	

Asp	Pro	Ala	Phe	Pro	Ser	Tyr	Thr	Ala	His	Phe	Cys	Leu	Ser	Thr	His
		35						40					45		

Gly	Gly	Cys	His	Ser	Ala	Glu	Met	Pro	Ala	Gly	Leu	Thr	Ser	Thr	Pro
	50						55					60			

Phe	Ile	Asn	Asn	Ala	Ala	Pro	Thr	Ser	Thr	His	Val	Trp	Ile	Ser	Thr
65					70					75					80

His	Leu	Ser	Ser	Phe	Leu	Arg	Ile	Asp	Phe	Lys	Met
				85						90	

<210> 177

<211> 114

<212> PRT

<213> Homo sapiens

<400> 177

Met	Phe	Ser	Asn	Tyr	Tyr	Cys	Lys	Lys	Val	Ile	His	Ala	Tyr	Gln	Lys
1				5					10					15	

Asn	Leu	Tyr	Asn	Thr	Thr	Met	Tyr	Lys	Arg	Lys	Val	Tyr	Pro	Val	Ser
			20						25					30	

Ser	Pro	Leu	Met	Val	Thr	Leu	Glu	Thr	His	Val	Leu	Lys	Thr	Arg	Ser
		35					40					45			

Gly	Pro	Gly	Thr	Ala	Pro	Asp	Pro	Thr	Phe	Pro	Ser	Tyr	Thr	Ala	His
	50					55						60			

Phe	Cys	Leu	Ser	Thr	His	Gly	Gly	Cys	His	Ser	Ala	Glu	Met	Pro	Ala
65					70					75					80

Gly Leu Thr Ser Thr Pro Phe Ile Asn Asn Ala Ala Pro Thr Ser Thr
85 90 95

His Val Trp Ile Ser Thr His Leu Ser Ser Phe Leu Arg Ile Asp Phe
100 105 110

Lys Met

<210> 178

<211> 47

<212> PRT

<213> Homo sapiens

<400> 178

Met Glu Leu Pro Phe Cys Lys Gln Phe Ile Ser Asp Asp Ile Thr Thr
1 5 10 15

Phe Leu Tyr Val Ser Leu Tyr Ile His Leu Ile Val Leu Leu Lys Trp
20 25 30

Phe Leu Lys Cys Ile His Arg Tyr Phe Gly Tyr Leu Gly Arg Gly
35 40 45

<210> 179

<211> 42

<212> PRT

<213> Homo sapiens

<400> 179

Met Asn Leu Leu Ile Leu Ser Leu Ser Asn Tyr Pro Lys Asn Gln Phe
1 5 10 15

Val Phe Leu Val Ile Ala Gly Asn Arg Gly Leu Cys Leu Ile Asn Gln
20 25 30

Lys Gly Ser Ser Leu Gly Ala Val Ile Tyr
35 40

<210> 180

<211> 24

<212> PRT

<213> Homo sapiens

Figure 1 consists of 12 micrographs arranged in two rows of six. The top row shows the early stages of development: (a) fertilized egg, (b) cleavage, (c) cleavage, (d) cleavage, (e) gastrulation, and (f) gastrulation. The bottom row shows the embryo at various stages of development: (g) embryo, (h) embryo, (i) embryo, (j) embryo, (k) embryo, and (l) hatching. Labels 'a' through 'l' are placed below each micrograph to identify the specific stage.

Ser Ile Phe Gln Leu Ser Ala Val
20

<211> 69

<212> PRT

<213> Homo sapiens

Met Ser Leu Ser Val His Gln Glu Gln Cys Thr Ala Gln Arg Asp Pro
1 5 10 15

Thr Leu Trp Cys Leu Gly Arg Asn Leu Asp Phe Gly Leu Arg Gly Ser
35 40 45

Arg His Val Gln Trp Gln Gln Phe Gly Gln Gly Gly Asp Glu Leu Ser
50 55 60

Cys Phe Leu Leu Arg
65

<211> 20

<212> PRT

<213> Homo sapiens

Met Lys Gln Glu Ser Gln Leu Glu Ser Leu Tyr Thr Ile Cys Thr Val
1 5 10 15

Gly Ile Phe Lys
20

<211> 136

<212> PRT

<213> Homo sapiens

<400> 183

Asn Glu Tyr Lys Ala Glu Ile Ala Glu Val Glu Arg Gln Ile Leu Gln
1 5 10 15

Gly Glu Gln Ser Tyr Ser Ser Ala Leu Glu Gly Met Lys Met Glu Ile
20 25 30

Ser His Leu Thr Gln Glu Leu His Gln Arg Asp Ile Thr Ile Ala Ser
35 40 45

Thr Lys Gly Ser Ser Ser Asp Met Glu Lys Arg Leu Arg Ala Glu Met
50 55 60

Gln Lys Ala Glu Asp Lys Ala Val Glu His Lys Glu Ile Leu Asp Gln
65 70 75 80

Leu Glu Ser Leu Lys Leu Glu Asn Arg His Leu Ser Glu Met Val Met
85 90 95

Lys Leu Glu Leu Gly Leu His Glu Arg Trp Gly Phe Thr Met Leu Ser
100 105 110

Ser Leu Val Leu Asn Phe Gly Ile Gln Ala Ile Arg Gln Pro Gln Arg
115 120 125

Pro Lys Val Leu Glu Leu Gln Val
130 135

<210> 184

<211> 47

<212> PRT

<213> Homo sapiens

<400> 184

Met Cys Asn Trp Arg Phe Ser Xaa Arg Gly Glu Arg Lys Trp Asp Ile
1 5 10 15

Lys Asn Asn Trp Lys Lys Ile Ala Glu Ile Val Leu Lys Leu Thr Asn
20 25 30

His Thr Lys Pro Gln Asn Pro Glu Ala Leu Gly His Gln Ala Gly
35 40 45

<210> 185

<211> 30

<212> PRT

Met Tyr His Phe Tyr Asn Lys Glu Phe Ile Asn Arg Asn Lys His Ile
1 5 10 15

```
<210> 188
<211> 59
<212> PRT
<213> Homo sapiens
```

<400> 188
Met Arg Ile Ile Ser Thr Phe Cys Ser Tyr Gly Lys Asp Leu Lys Ala
1 5 10 15

Asp Ala Cys Ala Arg Asp Met Val Asp Thr Thr Tyr Ile Ala Val Met
20 25 30

Ile Leu Leu Tyr Tyr Ser Val Leu Tyr Leu Leu Leu His Thr Leu Pro
35 40 45

Leu Pro Ile Met Thr Lys Ile Ile Thr Ala Tyr
50 55

```
<210> 189
<211> 35
<212> PRT
<213> Homo sapiens
```

```
<220>
<221> UNSURE
<222> (8) .. (15)
```

<400> 189
Met Arg Pro Phe Pro Val Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val
1 5 10 15

Phe Thr Ser Gly Glu Ala Ala Val Leu Leu Cys Leu Phe Leu Leu Cys
20 25 30

Trp Xaa Val
35

```
<210> 190
<211> 46
<212> PRT
<213> Homo sapiens
```

<400> 190

Met Val Leu Lys Val Asn Ser Arg Met Val Ala Trp Val Phe Lys Val
1 5 10 15

Trp Phe Leu Leu Asn Ala Ser Gly Phe Leu Thr Asn Ile Lys Ser Lys
20 25 30

Lys Lys Lys Lys Asn Leu Leu Val Ala Ile Arg Arg Leu Gln
35 40 45

<210> 191

<211> 96

<212> PRT

<213> Homo sapiens

<400> 191

Met Ser Ser Pro Gln Phe Ser Leu Arg Val Phe Ala Phe Ser Leu Leu
1 5 10 15

Thr Ser Thr Pro Leu Met Ser Leu Pro Ile Ala Pro Asn Ser Gly Ser
20 25 30

Gln His Trp Tyr Ile Gln Val Trp Gln Arg Ala Ser Ser Thr Pro Gly
35 40 45

Met Ala Ser Pro Lys Gln Gln Glu Glu Val Gly Glu Val Leu Phe Pro
50 55 60

Ser Thr Ala Val Ala Leu Trp Trp Lys Val Arg Phe Pro Asn Gln Leu
65 70 75 80

Arg Arg Val Gln Gln Ala Thr Arg Gln Val Asn Pro Phe Thr Ser Gly
85 90 95

<210> 192

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (24)

<400> 192

Met Leu Phe Met Trp Lys Val Lys Phe Cys Phe Ile Met Glu Phe Cys
1 5 10 15

Phe Leu Tyr Asn Ser Phe Arg Xaa Ser Tyr Phe Ala Thr Ile Leu Tyr
20 25 30

Lys Ala Leu Arg Gln Val Met Val Ile Ile Leu Met Gln Asn His Leu
35 40 45

Gly Ser Gln Ser Leu Ala
50

<210> 193

<211> 57

<212> PRT

<213> Homo sapiens

<400> 193

Met Tyr Pro Leu Val His Gly Arg Pro Ser Ser Ile Ser Arg Gly Gln
1 5 10 15

Val His Leu Val Arg Ala Gln Lys Leu His Ser Gln Thr Asn Glu Ser
20 25 30

Ser Gln Asn Ile Phe Leu Arg Leu Trp Val Tyr Leu Tyr Arg Asn His
35 40 45

Trp Met Leu Leu Ser Leu Phe Ser Phe
50 55

<210> 194

<211> 57

<212> PRT

<213> Homo sapiens

<400> 194

Met Tyr Pro Leu Val His Gly Arg Pro Ser Ser Ile Ser Arg Gly Gln
1 5 10 15

Val His Leu Val Arg Ala Gln Lys Leu His Ser Gln Thr Asn Glu Ser
20 25 30

Ser Gln Asn Ile Phe Leu Arg Leu Trp Val Tyr Leu Tyr Arg Asn His
35 40 45

Trp Met Leu Leu Ser Leu Phe Ser Phe

<210> 195

<211> 91

<212> PRT

<213> Homo sapiens

<400> 195

Met Gly Lys Glu Ala Ile Leu Ile Gly Pro Arg Glu His Val Gly Leu
 1 5 10 15

Cys Leu Val Leu Val Thr Gly Ile Leu Tyr Thr Phe Ile Val Gly Glu
 20 25 30

Lys Ala Ala Ile Thr Ser Ala Met Lys Val Leu Leu Ile His Gly Leu
 35 40 45

Asn Ile Ile Glu Met Leu Leu Val Leu Cys Arg Ala Asp Ser Ser Arg
 50 55 60

Thr Lys Glu Trp Gln Ser Asp Glu Leu Arg His Ile Arg Asp Pro Thr
 65 70 75 80

Val Gln Met Met Thr Gln Asn Leu Phe Leu Leu
 85 90

<210> 196

<211> 79

<212> PRT

<213> Homo sapiens

<400> 196

Met Arg Thr Ala Gln Gln Cys Ile Gln Arg His Glu His Leu Ala Ala
 1 5 10 15

Leu Glu Ser Gly Pro His Lys Phe Gly Gly Ile Gln Ala Leu Pro Lys
 20 25 30

Arg Ala Gly Gly Cys Ser Phe Leu Leu His Phe Leu Ser Gln Arg Pro
 35 40 45

Arg Glu Leu Ser Pro Gln Thr Lys Gly Lys Gly Arg Leu Gln Ser Ser
 50 55 60

Leu Tyr Leu Ala Leu Asn Ala Ser Ser Leu Cys Gly Pro Ala Arg
 65 70 75

<210> 197
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 197
 Met Thr Asp Ile Glu Trp Asp Cys Ser Arg Gln Met Gly Met Asn Gly
 1 5 10 15

His Pro Thr Cys Lys Asp Thr Met Gly Ser Ala Asp Glu Met Gly Pro
 20 25 30

Val Thr Glu Lys Leu Leu Pro Pro
 35 40

<210> 198
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 198
 Met Thr Asp Ile Glu Trp Asp Cys Ser Arg Gln Met Gly Met Asn Gly
 1 5 10 15

His Pro Thr Cys Lys Asp Thr Met Gly Ser Ala Asp Glu Met Gly Pro
 20 25 30

Val Thr Glu Lys Leu Leu Pro Pro
 35 40

<210> 199
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 199
 Met Thr Leu Leu Leu Arg Arg Pro Glu Leu Trp Cys Cys Gly Met Thr
 1 5 10 15

Val Cys Leu Leu Thr Ser Ala Ser Ser His Ser Pro Pro Arg Ser Pro
 20 25 30

Cys Pro Thr Pro Gly Val Ser Arg Gly Arg Gln Val Thr Thr Met Leu
 35 40 45

Arg Val Ser Asp Gly Pro Glu Ala Gly Leu Thr Gln Leu Tyr Pro Lys
50 55 60

Ala Glu Ser Gly Ser Pro Arg Leu Ser Ala His Gly
65 70 75

<210> 200

<211> 78

<212> PRT

<213> Homo sapiens

<400> 200

Met Cys Asp Leu Cys Asp Arg Leu Glu Ser Cys Gly Lys Pro Val Leu
1 5 10 15

Val Arg Glu Ser Leu Gly Pro Phe Pro His Arg Ala Leu Phe Ser Lys
20 25 30

Ser His Ser Trp Val Thr Asn Val Asp Ala Gly Pro Met Pro Cys Pro
35 40 45

Gly Gly Leu Ala Pro Gly Ser Pro Glu Asn Thr Ser Gly Arg Trp Glu
50 55 60

Val Trp Trp Gly Ser Leu Ala Arg Val Asp Met Gly Gln Arg
65 70 75

<210> 201

<211> 525

<212> PRT

<213> Homo sapiens

<400> 201

Asp Ile Asn Asn Ala Trp Gly Cys Leu Glu Gln Val Glu Lys Gly Tyr
1 5 10 15

Glu Glu Trp Leu Leu Asn Glu Ile Arg Arg Leu Glu Arg Leu Asp His
20 25 30

Leu Ala Glu Lys Phe Arg Gln Lys Ala Ser Ile His Glu Ala Trp Thr
35 40 45

Asp Gly Lys Glu Ala Met Leu Lys His Arg Asp Tyr Glu Thr Ala Thr
50 55 60

Leu Ser Asp Ile Lys Ala Leu Ile Arg Lys His Glu Ala Phe Glu Ser			
65	70	75	80
Asp Leu Pro Glu His Gln Asp Arg Ala Glu Gln Ile Ala Ala Ile Ala			
	85	90	95
Gln Glu Leu Asn Glu Leu Asp Tyr Tyr Asp Ser His Asn Val Asn Thr			
	100	105	110
Arg Cys Gln Lys Ile Cys Asp Gln Trp Asp Ala Leu Gly Ser Leu Thr			
	115	120	125
His Ser Arg Arg Glu Ala Leu Glu Lys Thr Glu Lys Gln Leu Glu Ala			
	130	135	140
Ile Asp Gln Leu His Leu Glu Tyr Ala Lys Arg Ala Ala Pro Phe Asn			
	145	150	155
Asn Trp Met Glu Ser Ala Met Glu Asp Leu Gln Asp Met Phe Ile Val			
	165	170	175
His Thr Ile Glu Glu Ile Glu Gly Leu Ile Ser Ala His Asp Gln Phe			
	180	185	190
Lys Ser Thr Leu Pro Asp Ala Asp Arg Glu Arg Glu Ala Ile Leu Ala			
	195	200	205
Ile His Lys Glu Ala Gln Arg Ile Ala Glu Ser Asn His Ile Lys Leu			
	210	215	220
Ser Gly Ser Asn Pro Tyr Thr Thr Val Thr Pro Gln Ile Ile Asn Ser			
	225	230	235
Lys Trp Glu Lys Val Gln Gln Leu Val Pro Lys Arg Asp His Ala Leu			
	245	250	255
Leu Glu Glu Gln Ser Lys Gln Gln Ser Asn Glu His Leu Arg Arg Gln			
	260	265	270
Phe Ala Ser Gln Ala Asn Val Val Gly Pro Trp Ile Gln Thr Lys Met			
	275	280	285
Glu Glu Ile Gly Arg Ile Ser Ile Glu Met Asn Gly Thr Leu Glu Asp			
	290	295	300
Gln Leu Ser His Leu Lys Gln Tyr Glu Arg Ser Ile Val Asp Tyr Lys			
	305	310	315
			320

Pro Asn Leu Asp Leu Leu Glu Gln Gln His Gln Leu Ile Gln Glu Ala
 325 330 335
 Leu Ile Phe Asp Asn Lys His Thr Asn Tyr Thr Met Glu His Ile Arg
 340 345 350
 Val Gly Trp Glu Gln Leu Leu Thr Thr Ile Ala Arg Thr Ile Asn Glu
 355 360 365
 Val Glu Asn Gln Ile Leu Thr Arg Asp Ala Lys Gly Ile Ser Gln Glu
 370 375 380
 Gln Met Gln Glu Phe Arg Ala Ser Phe Asn His Phe Asp Lys Lys Gln
 385 390 395 400
 Thr Gly Ser Met Asp Ser Asp Asp Phe Arg Ala Leu Leu Ile Ser Thr
 405 410 415
 Gly Tyr Ser Leu Gly Glu Ala Glu Phe Asn Arg Ile Met Ser Leu Val
 420 425 430
 Asp Pro Asn His Ser Gly Leu Val Thr Phe Gln Ala Phe Ile Asp Phe
 435 440 445
 Met Ser Arg Glu Thr Thr Asp Thr Asp Thr Ala Asp Gln Val Ile Ala
 450 455 460
 Ser Phe Lys Val Leu Ala Gly Asp Lys Asn Phe Ile Thr Ala Glu Glu
 465 470 475 480
 Leu Arg Arg Glu Leu Pro Pro Asp Gln Ala Glu Tyr Cys Ile Ala Arg
 485 490 495
 Met Ala Pro Tyr Gln Gly Pro Asp Ala Val Pro Gly Ala Leu Asp Tyr
 500 505 510
 Lys Ser Phe Ser Thr Ala Leu Tyr Gly Glu Ser Asp Leu
 515 520 525

<210> 202

<211> 83

<212> PRT

<213> Homo sapiens

<400> 202

Met Trp Pro Gly Val Gly Gln Lys Asn Leu His Lys Asp Arg Ile Leu
 1 5 10 15

Phe Ser Glu Ala Lys Asn Ser Arg Gly Ala Thr Ile Arg Phe Phe Ser
20 25 30

Ala Val Gln Leu Gln Glu Met Leu Gly Ile Ser Tyr Asn Ser His Leu
35 40 45

Ser Lys Thr Tyr Pro Gly Arg Cys Ser Ala Phe Ser His Leu Gly Ala
50 55 60

Glu Gln Pro Tyr Ile Ala Val Tyr Ile Leu Thr Tyr Phe Pro Asp Phe
65 70 75 80

Leu Gly Gly

<210> 203

<211> 83

<212> PRT

<213> Homo sapiens

<400> 203

Met Trp Pro Gly Val Gly Gln Lys Asn Leu His Lys Asp Arg Ile Leu
1 5 10 15

Phe Ser Glu Ala Lys Asn Ser Arg Gly Ala Thr Ile Arg Phe Phe Ser
20 25 30

Ala Val Gln Leu Gln Glu Met Leu Gly Ile Ser Tyr Asn Ser His Leu
35 40 45

Ser Lys Thr Tyr Pro Gly Arg Cys Ser Ala Phe Ser His Leu Gly Ala
50 55 60

Glu Gln Pro Tyr Ile Ala Val Tyr Ile Leu Thr Tyr Phe Pro Asp Phe
65 70 75 80

Leu Gly Gly

<210> 204

<211> 62

<212> PRT

<213> Homo sapiens

<400> 204

Met Ser Leu Ser Val Leu Asp Ser Val Ala Gln Thr Arg Pro Phe Val
1 5 10 15

Cys Leu Phe Ser Phe Ser Ser Phe Val Asp Tyr Lys Phe Ser Leu Tyr
20 25 30

Ser Asn Lys Arg Phe Ser Phe Gln Asn Leu Arg Gln Cys Ser Ser Leu
35 40 45

Lys Met Ile Leu Pro His Arg Trp Ser Arg Ala Ser Gln Trp
50 55 60

<210> 205

<211> 36

<212> PRT

<213> Homo sapiens

<400> 205

Met Cys Gln Asn Ile Asp Thr Val Pro Glu Glu Ala Ser Lys His Asn
1 5 10 15

Lys Cys Tyr Phe Arg His Lys Leu Gln Asp Ser Leu Thr Ile Pro Ala
20 25 30

Cys Leu Ile Gly
35

<210> 206

<211> 78

<212> PRT

<213> Homo sapiens

<400> 206

Met Ser Ser Asn Leu Cys Ser Trp Lys Pro Ser Tyr Gly Arg Val Phe
1 5 10 15

Pro Pro Ser Ser Ser Ala Phe Tyr Gln Arg Pro Tyr Ser Pro Pro Leu
20 25 30

Leu Gln Phe Gln Thr Ser Phe Leu Phe His Gln Lys His Ser Pro Ser
35 40 45

Ser Leu Val Ser Tyr Ser Phe His Thr Gln Lys Gln Asn Ile Phe Lys
50 55 60

Thr Phe Pro Lys Lys Glu Glu Lys Gly Asn Ser Lys Val His

65

70

75

<210> 207

<211> 78

<212> PRT

<213> Homo sapiens

<400> 207

Met Ser Ser Asn Leu Cys Ser Trp Lys Pro Ser Tyr Gly Arg Val Phe
 1 5 10 15

Pro Pro Ser Ser Ser Ala Phe Tyr Gln Arg Pro Tyr Ser Pro Pro Leu
 20 25 30

Leu Gln Phe Gln Thr Ser Phe Leu Phe His Gln Lys His Ser Pro Ser
 35 40 45

Ser Leu Val Ser Tyr Ser Phe His Thr Gln Lys Gln Asn Ile Phe Lys
 50 55 60

Thr Phe Pro Lys Lys Glu Glu Lys Gly Asn Ser Lys Val His
 65 70 75

<210> 208

<211> 15

<212> PRT

<213> Homo sapiens

<400> 208

Met Phe Ile Glu Leu Phe Trp Leu Ile Ile Ser Thr Asp Cys Leu
 1 5 10 15

<210> 209

<211> 47

<212> PRT

<213> Homo sapiens

<400> 209

Met Glu Arg His Thr Gln Ala Leu Cys Gly Arg Val Leu Ser Gly His
 1 5 10 15

Ser Glu Phe Arg Pro Gly Leu Trp Thr Asn Pro Asn Phe Ala Ser Ala
 20 25 30

Phe Val Ser Leu Val Lys Pro Val Phe Val Phe Ser Leu Leu Phe

35

40

45

<210> 210

<211> 77

<212> PRT

<213> Homo sapiens

<400> 210

Met Ser Ser Leu Leu Leu Lys Glu Thr Phe Lys Gln Phe Ser Ser Leu
 1 5 10 15

His Cys His Leu Ala His Thr Ser Arg Ala Ala Gln His Leu Gln Gly
 20 25 30

Leu Ser Phe Trp Ala Val Leu Arg Asp Ala Ala Gly Gly Ser Leu Ala
 35 40 45

Phe Leu Gly Leu Leu Ser Gln Phe Pro Pro Val Leu Leu Ser Gly Cys
 50 55 60

Pro Ala Phe Gly Cys Trp Ile Leu Gln Val Pro Gln Arg
 65 70 75

<210> 211

<211> 78

<212> PRT

<213> Homo sapiens

<400> 211

Met Gly Glu Pro Gly His Glu Lys Glu Leu Pro Ser Asp Ser Asn Ile
 1 5 10 15

Ser Leu Tyr Leu Phe Lys Val Cys Met Cys Gln Thr Val Pro Ser Thr
 20 25 30

Leu Tyr Thr Leu Ala Tyr Pro Val Leu Thr Asn Ile Ser Glu Met Gly
 35 40 45

Ile Thr Val Gln Phe Pro Asp Ile Val Ser Lys Ala Lys Pro Lys Pro
 50 55 60

Val Cys Thr Arg Ala Cys Ala Leu His Thr Asp Trp Leu Ile
 65 70 75

<210> 212

<211> 61
 <212> PRT
 <213> Homo sapiens

<400> 212
 Met Ser Arg Leu Pro His Thr Pro Ala Leu Ser Phe Pro Ser Gln Gly
 1 5 10 15
 Asn Gly Ser Arg His Thr Pro His Leu Gly Gly Gln Ala Glu Phe Leu
 20 25 30
 Ala Gln Gly Arg His Ser Glu Ser Val Glu Arg Lys Asn Asp Val Ala
 35 40 45
 Arg Thr Leu Leu Gln Val Ser Ile Gly Asn His Lys Pro
 50 55 60

<210> 213
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 213
 Met Lys Val Pro Gln Ser Pro Val Leu Gln Leu Leu Ala Gln Asp Leu
 1 5 10 15
 Ser Ser Arg Glu Lys Arg Ile Asn Thr Thr Pro Lys Gly Glu Lys Leu
 20 25 30
 Leu Leu Ser Ser Ser Gly Asp Leu Ala His Gly Gly Pro Asn Gly Gly
 35 40 45
 Pro Ser Leu Ile Ser Asn Ser Pro Ala Asn Ser Pro Leu Asp Thr Arg
 50 55 60
 Ala Gly Lys Thr Leu Pro Gln Gly Gln Glu Gly Met Phe Val Ser
 65 70 75

<210> 214
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 214
 Met Arg Asp Gly Pro Pro Phe Gly Pro Pro Trp Ala Lys Ser Pro Glu
 1 5 10 15

Leu Glu Ser Ser Asn Phe Ser Pro Leu Gly Val Val Leu Ile Leu Phe
20 25 30

Ser Leu Glu Leu Lys Val Leu Gly
35 40

<210> 215

<211> 72

<212> PRT

<213> Homo sapiens

<400> 215

Met Leu Lys Asn Ser Ser Tyr Asn Leu Phe Tyr Asn Ile Tyr Ser Cys
1 5 10 15

Thr Tyr Phe Tyr Ile Leu Ser Phe Ile Phe Val Phe Val Ser Phe Ala
20 25 30

Thr Leu Cys Thr Ser Leu Ser Glu Glu Gln Ser Phe Ser Pro Phe Tyr
35 40 45

Thr Leu Asn Lys Tyr Leu Asn Ser Tyr Tyr Ser Leu Ile Leu Tyr Lys
50 55 60

Ala Asp Ser Asn Ile Gly Ser Thr
65 70

<210> 216

<211> 16

<212> PRT

<213> Homo sapiens

<400> 216

Met Ser Trp Leu Leu Ser Tyr Gln Asn Leu Gly Val Ser Tyr Arg Cys
1 5 10 15

<210> 217

<211> 39

<212> PRT

<213> Homo sapiens

<400> 217

Met Leu Ser Trp Asn Cys Tyr Ser Pro Pro Ile Ser Ser Leu Ser Ile
1 5 10 15

Cys His Pro Asn His Leu Glu Ala Leu Val Leu Asp Ala Leu Gln Tyr
 20 25 30

Phe Phe Phe Leu Phe Phe Glu
 35

<210> 218

<211> 24

<212> PRT

<213> Homo sapiens

<400> 218

Met Asn Asp Arg Ala Arg Leu Ser Leu Ser Gln Lys Lys Thr Glu Arg
 1 5 10 15

Glu Ser Leu Glu Thr Arg His Ser
 20

<210> 219

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (28)..(79)

<400> 219

Met Asp Arg Ala Leu Pro Leu Trp Gly Ser Gln Glu Pro Ser Glu Pro
 1 5 10 15

Ser Gln Ile Ala Leu Val Ser Ile Leu Val Leu Xaa Xaa Xaa Xaa Xaa
 20 25 30

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 50 55 60

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser
 65 70 75 80

Ile Lys Ile Gln

<210> 220
 <211> 32
 <212> PRT
 <213> Homo sapiens

<220>
 <221> UNSURE
 <222> (31)

<400> 220
 Met Lys Ile Thr Ser Cys Val Tyr Thr Ile Cys Leu His Leu Ala Asn
 1 5 10 15
 Thr Gly Leu His Asp Ser Thr Phe Ala Asn Tyr Leu Trp Leu Xaa Asn
 20 25 30

<210> 221
 <211> 786
 <212> PRT
 <213> Homo sapiens

<400> 221
 Arg Pro Leu Arg Ser Leu Lys Val Ile Tyr Asp Gly Leu Met Ala Leu
 1 5 10 15
 Phe Thr Thr Ser Leu Ile Ala Leu Leu Ser Ser Arg Gly Lys Asn Val
 20 25 30
 Ala Ile Glu Tyr Ile Lys Ile His Thr Ile Glu Lys Glu Asp Val His
 35 40 45
 Phe Cys Lys Gln Lys Ile Thr Asn Arg Met Leu Lys Leu Lys Leu Asp
 50 55 60
 Tyr Glu Glu Ser Pro Val Tyr Gln Val Tyr Val Gln Ala Lys Asp Leu
 65 70 75 80
 Gly Pro Asn Ala Val Pro Ala His Cys Lys Val Ile Val Arg Val Leu
 85 90 95
 Asp Ala Asn Asp Asn Ala Pro Glu Ile Ser Phe Ser Thr Val Lys Glu
 100 105 110

Ala Val Ser Glu Gly Ala Ala Pro Gly Thr Val Val Ala Leu Phe Ser
115 120 125

Val Thr Asp Arg Asp Ser Glu Glu Asn Gly Gln Val Gln Cys Glu Leu
130 135 140

Leu Gly Asp Val Pro Phe Arg Leu Lys Ser Ser Phe Lys Asn Tyr Tyr
145 150 155 160

Thr Ile Val Thr Glu Ala Pro Leu Asp Arg Glu Ala Gly Asp Ser Tyr
165 170 175

Thr Leu Thr Val Val Ala Arg Asp Arg Gly Glu Pro Ala Leu Ser Thr
180 185 190

Ser Lys Ser Ile Gln Val Gln Val Ser Asp Val Asn Asp Asn Ala Pro
195 200 205

Arg Phe Ser Gln Pro Val Tyr Asp Val Tyr Val Thr Glu Asn Asn Val
210 215 220

Pro Gly Ala Tyr Ile Tyr Ala Val Ser Ala Thr Asp Arg Asp Glu Gly
225 230 235 240

Ala Asn Ala Gln Leu Ala Tyr Ser Ile Leu Glu Cys Gln Ile Gln Gly
245 250 255

Met Ser Val Phe Thr Tyr Val Ser Ile Asn Ser Glu Asn Gly Tyr Leu
260 265 270

Tyr Ala Leu Arg Ser Phe Asp Tyr Glu Gln Leu Lys Asp Phe Ser Phe
275 280 285

Gln Val Glu Ala Arg Asp Ala Gly Ser Pro Gln Ala Leu Ala Gly Asn
290 295 300

Ala Thr Val Asn Ile Leu Ile Val Asp Gln Asn Asp Asn Ala Pro Ala
305 310 315 320

Ile Val Ala Pro Leu Pro Gly Arg Asn Gly Thr Pro Ala Arg Glu Val
325 330 335

Leu Pro Arg Ser Ala Glu Pro Gly Tyr Leu Leu Thr Arg Val Ala Ala
340 345 350

Val Asp Ala Asp Asp Gly Glu Asn Ala Arg Leu Thr Tyr Ser Ile Val
355 360 365

Arg	Gly	Asn	Glu	Met	Asn	Leu	Phe	Arg	Met	Asp	Trp	Arg	Thr	Gly	Glu		
370						375						380					
Leu	Arg	Thr	Ala	Arg	Arg	Val	Pro	Ala	Lys	Arg	Asp	Pro	Gln	Arg	Pro		
385						390			395						400		
Tyr	Glu	Leu	Val	Ile	Glu	Val	Arg	Asp	His	Gly	Gln	Pro	Pro	Leu	Ser		
			405						410						415		
Ser	Thr	Ala	Thr	Leu	Val	Val	Gln	Leu	Val	Asp	Gly	Ala	Val	Glu	Pro		
			420						425						430		
Gln	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Glu	His	Gln	Arg		
435						440						445					
Pro	Ser	Arg	Ser	Gly	Gly	Gly	Glu	Thr	Ser	Leu	Asp	Leu	Thr	Leu	Ile		
450						455						460					
Leu	Ile	Ile	Ala	Leu	Gly	Ser	Val	Ser	Phe	Ile	Phe	Leu	Leu	Ala	Met		
465						470			475						480		
Ile	Val	Leu	Ala	Val	Arg	Cys	Gln	Lys	Glu	Lys	Lys	Leu	Asn	Ile	Tyr		
			485						490						495		
Thr	Cys	Leu	Ala	Ser	Asp	Cys	Cys	Leu	Cys	Cys	Cys	Cys	Cys	Gly	Gly		
			500						505						510		
Gly	Gly	Ser	Thr	Cys	Cys	Gly	Arg	Gln	Ala	Arg	Ala	Arg	Lys	Lys	Lys		
515						520						525					
Leu	Ser	Lys	Ser	Asp	Ile	Met	Leu	Val	Gln	Ser	Ser	Asn	Val	Pro	Ser		
530						535						540					
Asn	Pro	Ala	Gln	Val	Pro	Ile	Glu	Glu	Ser	Gly	Gly	Phe	Gly	Ser	His		
545						550			555						560		
His	His	Asn	Gln	Asn	Tyr	Cys	Tyr	Gln	Val	Cys	Leu	Thr	Pro	Glu	Ser		
			565						570						575		
Ala	Lys	Thr	Asp	Leu	Met	Phe	Leu	Lys	Pro	Cys	Ser	Pro	Ser	Arg	Ser		
			580						585						590		
Thr	Asp	Thr	Glu	His	Asn	Pro	Cys	Gly	Ala	Ile	Val	Thr	Gly	Tyr	Thr		
595						600						605					
Asp	Gln	Gln	Pro	Asp	Ile	Ile	Ser	Asn	Gly	Ser	Ile	Leu	Ser	Asn	Glu		
610						615						620					

Thr Lys His Gln Arg Ala Glu Leu Ser Tyr Leu Val Asp Arg Pro Arg
625 630 635 640

Arg Val Asn Ser Ser Ala Phe Gln Glu Ala Asp Ile Val Ser Ser Lys
645 650 655

Asp Ser Gly His Gly Asp Ser Glu Gln Gly Asp Ser Asp His Asp Ala
660 665 670

Thr Asn Arg Ala Gln Ser Ala Gly Met Asp Leu Phe Ser Asn Cys Thr
675 680 685

Glu Glu Cys Lys Ala Leu Gly His Ser Asp Arg Cys Trp Met Pro Ser
690 695 700

Phe Val Pro Ser Asp Gly Arg Gln Ala Ala Asp Tyr Arg Ser Asn Leu
705 710 715 720

His Val Pro Gly Met Asp Ser Val Pro Asp Thr Glu Val Phe Glu Thr
725 730 735

Pro Glu Ala Gln Pro Gly Ala Glu Arg Ser Phe Ser Thr Phe Gly Lys
740 745 750

Glu Lys Ala Leu His Ser Thr Leu Glu Arg Lys Glu Leu Asp Gly Leu
755 760 765

Leu Thr Asn Thr Arg Ala Pro Tyr Lys Pro Pro Tyr Leu Ser Pro Tyr
770 775 780

Leu Thr
785

<210> 222

<211> 80

<212> PRT

<213> Homo sapiens

<400> 222

Met Tyr Lys Arg Arg Ser Cys Lys Ile Ala Pro Ile Glu Ser Glu Leu
1 5 10 15

Glu Asn Leu Glu Glu Cys Ala Leu Thr Asn Ala Pro Phe Ser Ser Lys
20 25 30

Ala His Phe Phe Phe Leu Gln Thr Lys Leu Leu Glu Gln Val Asp Tyr

35

40

45

Thr Phe Cys His Ser His Val Trp Lys Asn Lys Asn Gly His Lys Leu
50 55 60

Phe Ala Ala Pro Tyr Val Lys Ser Trp Ser Pro Leu Ala Gly Cys Gly
65 70 75 80

<210> 223

<211> 87

<212> PRT

<213> Homo sapiens

<400> 223

Met Ser His Pro Phe Leu Ala Ile Leu Gly Cys Trp Thr Ser Gln Leu
1 5 10 15

His Phe Leu Leu Ser Cys Leu Asn Phe Tyr Leu Ser Thr Glu Thr Leu
20 25 30

Leu Thr Thr Tyr Lys Arg Ala Gly Ile Ser Pro Leu Asp Pro Thr Ile
35 40 45

Pro Ser Ser Ser Leu Phe Leu Cys Ile Leu Leu Gln Gln Thr Ser Glu
50 55 60

Gly Phe Phe Leu Ser Pro Ile Ser Leu Pro Leu His Leu Gly Phe Cys
65 70 75 80

Leu Arg His Phe Asn Lys Thr
85

<210> 224

<211> 61

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (8)

<400> 224

Met Thr Gln Leu Ile Cys Thr Xaa Gln His Asp Gln Asn Gln Asn Val

1	5	10	15
Gln Phe Phe Glu Ser Arg His Ile Thr Thr Val Asn His Ile Leu Ser			
20	25	30	
Tyr Lys Ala Thr Gln Glu Ile Leu Lys Ile Glu Ile Ile Val Ile Phe			
35	40	45	
Tyr Tyr Ser Ala Phe Lys Ile Glu Ile Asn Lys Glu Leu			
50	55	60	

<210> 225

<211> 78

<212> PRT

<213> Homo sapiens

<400> 225

Met Phe Met Val Ser His Leu Ala Pro Arg Ser Leu Asn Arg Ser His			
1	5	10	15
Leu Leu His His Leu Val Leu Lys His Leu Tyr Lys Met Gln Phe Thr			
20	25	30	
Ile Leu His Ser Val Gln Phe Asp Pro Phe Gln Ile Gln Tyr Met Gln			
35	40	45	
Thr Phe Pro Gly Gly Asp Val Arg Leu Arg Thr Thr Lys Tyr Val Phe			
50	55	60	
Cys Asn Ile Glu Ser Ile Ser Pro Ile Val Asn Ala Leu Ser			
65	70	75	

<210> 226

<211> 38

<212> PRT

<213> Homo sapiens

<400> 226

Met Leu Ala Asn Met Val Val Tyr Thr Lys Ala Leu Tyr Asp Gln Leu			
1	5	10	15
Val Asn Lys Ser Leu Tyr Asn Cys Lys Gly Lys Ile Lys Thr Asp Leu			
20	25	30	
Leu Lys Gln Tyr Thr Ile			
35			

<210> 227
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 227
 Met Pro Leu Trp Gln Arg Glu Phe Ser Asn Lys Thr Glu Leu Gly Arg
 1 5 10 15
 Arg Glu Trp Asn Tyr Leu Leu Ile Ser Tyr Cys Asp Ile Arg Tyr Cys
 20 25 30
 Tyr Ile His Leu Ser Leu Trp Tyr Leu Leu Asn Asn Trp
 35 40 45

<210> 228
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 228
 Met Gly Leu Asp Phe Pro Phe His Ala Glu Lys Lys Leu Ser Leu Arg
 1 5 10 15
 Glu Cys Ala Glu Gln Ser Gly Pro Arg Lys Ala Thr Thr Asn Ile Leu
 20 25 30
 His Ala Lys Lys Glu Ala Lys Glu Glu Val Glu Leu Tyr Pro Asn Met
 35 40 45
 Leu Ile Ile Gly Val Ile Leu Ala Glu Leu Val Arg Pro Pro Gly Gly
 50 55 60
 Gln Gly Ile
 65

<210> 229
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 229
 Lys Asn Lys Gln Lys Lys Lys Arg Lys Lys Arg Lys Lys Arg Lys Lys
 1 5 10 15

Arg Lys Lys Arg Lys Lys Arg Lys Arg Lys Arg Lys Lys Lys Arg Arg
20 25 30

Lys Lys Gly Arg Arg Arg Arg Lys Lys Lys Lys Lys Lys Lys Lys

35 40 45

Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Lys Glu
50 55 60

Arg Lys Lys Glu Arg Lys Arg Glu Asp Ser Thr Asn
65 70 75

<210> 230

<211> 20

<212> PRT

<213> Homo sapiens

 $\langle 400 \rangle$ 230

Met Glu Met His Gly Asn Ala Phe Val Ser Thr Val Leu Glu Arg Leu
1 5 10 15

Lys His Phe Ile
20

<210> 231

<211> 61

<212> PRT

<213> Homo sapiens

<400> 231

Met Pro Leu Gln Gly Pro Gln Phe Glu Lys Tyr Tyr Leu Val Lys Phe
1 5 10 15

Trp Leu Leu Cys Lys Asn Phe His Ser Leu Thr Gln Ala Ser Gly Thr
20 25 30

Ala Tyr Phe Leu Thr Leu Thr Leu Leu Lys Leu Phe Gln Ser Leu Leu
35 40 45

Cys Leu Gln Ala Leu Glu Thr Glu Glu Arg Asn Phe Thr
50 55 60

<210> 232

<211> 39

<212> PRT
<213> Homo sapiens

<400> 232
Met Ile Tyr Gly Ile Ile Gly Ile Phe Ile Phe Asn Thr Ile Tyr His
1 5 10 15

Phe Ser Gly Leu Thr Leu Ser Asp Leu Phe Gly Ile Phe Ser Leu Met
20 25 30

Thr Lys Phe Ile Asn Gln Trp
35

<210> 233
<211> 42
<212> PRT
<213> Homo sapiens

<400> 233
Met Phe His Arg Ile His Gly Gln Arg Ile Arg Gln Ala Phe Glu Met
1 5 10 15

Asn Arg Ile Ser Leu Thr Ser Pro Ser Phe Cys Gln Phe Val Leu Phe
20 25 30

Leu Ser His Ile His Gln Leu Ser Pro Ser
35 40

<210> 234
<211> 42
<212> PRT
<213> Homo sapiens

<400> 234
Met Phe His Arg Ile His Gly Gln Arg Ile Arg Gln Ala Phe Glu Met
1 5 10 15

Asn Arg Ile Ser Leu Thr Ser Pro Ser Phe Cys Gln Phe Val Leu Phe
20 25 30

Leu Ser His Ile His Gln Leu Ser Pro Ser
35 40

<210> 235
<211> 37

<212> PRT

<213> Homo sapiens

<400> 235

Met Leu Met Asn Val Lys Val Ala Lys Thr Gln Ala Leu Thr Ile Leu
1 5 10 15

Met Phe Leu Leu Phe Lys Thr Asp Leu Tyr Gln Gln Lys His Arg Asn
20 25 30

Gly Ser Ser Arg Phe
35

<210> 236

<211> 135

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (72)

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<221> UNSURE

<222> (116)

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<221> UNSURE

<222> (131)

<400> 236

Met Lys Pro Ser Leu Cys Pro Arg Ala Val Gln Ala Ala Ala Val Ala
1 5 10 15

Pro Thr Asn Ser Gln Glu Thr Tyr Ser Val Pro Gln Gly Arg Cys Arg
20 25 30

Trp Gln Pro Trp Pro Arg Pro Ala His Arg Lys Pro Thr Leu Cys Pro
35 40 45

Gly Ala Gly Ala Gly Gly Ser His Gly Pro Asp Gln Leu Thr Gly Asn
50 55 60

Leu Leu Cys Cys Pro Arg Gly Xaa Cys Arg Arg Gln Pro Trp Pro Arg
65 70 75 80

Pro Ser Ser His Glu Asn Leu Ser Leu Leu Pro Pro Gly Ala Ile Ala

	85	90	95
Arg Arg Gln Ala Met Ala Pro Thr Ser Ser Gln Glu Thr Tyr Ser Val			
	100	105	110
Pro Pro Gly Xaa Leu Pro Leu Ala Ala Met Ala Pro Asn Gln His Thr			
	115	120	125
Gly Lys Xaa Thr Gly Thr Leu			
	130	135	
<210> 237			
<211> 419			
<212> PRT			
<213> Homo sapiens			
<400> 237			
Met Ala Pro Thr Ser Ser Gln Glu Thr Tyr Ser Val Pro Arg Gly Arg			
	1	5	10 15
Cys Arg Gln Gln Pro Trp Pro Arg Pro Ala His Arg Lys Pro Ser Leu			
	20	25	30
Cys Pro Arg Ala Val Gln Ala Ala Ala Val Ala Pro Thr Ser Ser Gln			
	35	40	45
Glu Thr Tyr Ser Val Pro Gln Gly Arg Cys Arg Trp Gln Pro Trp Pro			
	50	55	60
Arg Pro Ala His Arg Lys Pro Thr Leu Cys Pro Arg Ala Gly Ala Gly			
	65	70	75 80
Gly Ser Arg Gly Pro Asp Gln Leu Thr Gly Asn Leu Leu Cys Ala Leu			
	85	90	95
Gly Gln Gly Arg Cys Arg Arg Gln Pro Trp Pro Arg Pro Ala Pro Thr			
	100	105	110
Ser Leu Ser Cys Ser Arg Ser Ala Pro Gly Pro Ala Pro Ser Gly Pro			
	115	120	125
Arg Gly Lys Thr Pro Ser Ser Pro Thr Leu Ser Pro Ser Arg Gly Ser			
	130	135	140
Pro Leu Leu Leu Arg Glu Pro Ser Leu Val Thr Asp Ser Leu Glu Ala			
	145	150	155 160

His Arg Gly Ser Leu Ala Pro Gly Val Leu Trp Thr Ser Gly Thr Ala	165	170	175
Ser Gly Ser Lys Ala Ala Pro Pro Pro Gln Glu Gly Leu Met Thr Glu	180	185	190
Leu Glu Ser Cys Gly Gly Arg Thr Ala Thr Gly Pro Cys Leu Pro Thr	195	200	205
Gly Ser Glu Arg Pro Ser Leu Arg Leu Pro Gly Pro Cys Pro Ser Val	210	215	220
Gly His Ser Gln Ala Leu Gly Gln Arg Lys Gln Phe Arg Glu Thr Ala	225	230	235
Gln Ala Arg Lys Ala Gln Val Ala Trp Glu Pro Arg Ser Ala Glu Ile	245	250	255
Glu Leu Glu Lys Gln Glu Ala Trp Pro Gly Pro Pro Ala Ser Lys Gly	260	265	270
Glu Arg Gln Ala Pro Gly Val Gly Ser Gly Val Leu Gly Pro His Gln	275	280	285
Thr Gly Ile Phe Pro Pro Leu Pro Gly Gly Gly Ala Gly Arg Ala Ser	290	295	300
Pro Ala Glu Ala Pro Gly Ser Val Arg Asn Asn Arg Lys Gly Ser Arg	305	310	315
Gly Thr Gly Thr Ser His Thr Pro His Pro Val His Pro Ile Gly Pro	325	330	335
Ile His Pro Val His Pro Val Tyr Pro Ile Tyr Arg His Phe Pro Leu	340	345	350
His Ser Gln Leu Ser Arg Leu Leu Thr Leu Glu Glu Leu Asn Ser Gly	355	360	365
Leu Ala Ser Cys Leu Gln Cys Gly Thr Leu Cys Ser Ser Thr Trp Glu	370	375	380
Pro Gln Gly Ala Arg Ser Val Gly Ile Cys Thr Leu Pro Leu Thr Glu	385	390	395
Ile Tyr His Ala Glu Thr Ser Asp Leu Arg Gly Thr Ser Ala Gly Pro	405	410	415

Trp Val His

<210> 238

<211> 59

<212> PRT

<213> Homo sapiens

<400> 238

Met Val Ser Asn Asn Tyr Leu Thr Gly Phe Trp Leu Gly Ile Phe Leu
1 5 10 15

Leu Pro His Thr Val Pro Val Glu Asn Val Glu Val His Phe Gly Leu
20 25 30

Tyr Ile Phe Met Lys His Leu Glu Gly Trp Gly Gly Gly Cys Gln Val
35 40 45

Ser Lys Ser Arg Lys Met Tyr Phe Val Arg Leu
50 55

<210> 239

<211> 59

<212> PRT

<213> Homo sapiens

<400> 239

Met Val Ser Asn Asn Tyr Leu Thr Gly Phe Trp Leu Gly Ile Phe Leu
1 5 10 15

Leu Pro His Thr Val Pro Val Glu Asn Val Glu Val His Phe Gly Leu
20 25 30

Tyr Ile Phe Met Lys His Leu Glu Gly Trp Gly Gly Gly Cys Gln Val
35 40 45

Ser Lys Ser Arg Lys Met Tyr Phe Val Arg Leu
50 55

<210> 240

<211> 73

<212> PRT

<213> Homo sapiens

<400> 240

Met Asn Val Leu Pro Leu Lys Lys Asn Gln Leu Ser His Ile Thr His
1 5 10 15

Ile Tyr Ile Leu Leu His Asn Asn Val Leu Asn Trp Thr Thr Val Asn
20 25 30

Gln Arg Val Ile Ala Ala Ser Glu Gly Asp Arg Leu Leu Thr Phe Arg
35 40 45

Tyr Cys Leu Met Pro Gly Lys Pro Trp Glu Pro Arg Gln Val Asn Leu
50 55 60

Thr Lys Leu Leu Leu Phe Ser Gln Leu
65 70

<210> 241

<211> 73

<212> PRT

<213> Homo sapiens

<400> 241

Met Asn Val Leu Pro Leu Lys Lys Asn Gln Leu Ser His Ile Thr His
1 5 10 15

Ile Tyr Ile Leu Leu His Asn Asn Val Leu Asn Trp Thr Thr Val Asn
20 25 30

Gln Arg Val Ile Ala Ala Ser Glu Gly Asp Arg Leu Leu Thr Phe Arg
35 40 45

Tyr Cys Leu Met Pro Gly Lys Pro Trp Glu Pro Arg Gln Val Asn Leu
50 55 60

Thr Lys Leu Leu Leu Phe Ser Gln Leu
65 70

<210> 242

<211> 39

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (2)

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<222> (11)

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<222> (15)

<220>
<221> UNSURE
<222> (17) .. (22)

<400> 242
Met Xaa Thr Xaa Xaa Pro Xaa Ser Trp Met Xaa Ala Phe Lys Xaa Asp
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Arg Trp Asn Leu Ser Ile Arg Gly Ser Phe
20 25 30

Ala Thr Asp Phe Ser Asn Gly
35

<210> 243
<211> 81
<212> PRT
<213> Homo sapiens

<400> 243
Met Ile Ile Tyr Asn Tyr Asn Val Tyr Cys Phe Thr Tyr Ile Phe Pro
1 5 10 15

Lys Tyr Thr Ile Asn Ala Leu Pro His Phe Ala Leu Phe Thr Lys Tyr
20 25 30

Ile Leu Glu Ile Ile Leu Tyr Ser Tyr Ile Lys Ser Phe Ile Val Pro
35 40 45

Phe Tyr Gly Cys Lys Met Phe Gln Leu Met Asp Gly Leu Ile Leu Tyr
50 55 60

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Gly Trp Leu Ser
35 40 45

Glu Ser Pro Asn Asn Pro Met Lys Tyr Glu Arg Phe Leu Glu Arg Leu
50 55 60

Leu Val Glu Lys Val Thr
65 70

<210> 246

<211> 60

<212> PRT

<213> Homo sapiens

<400> 246

Met Val Pro Gly Gly Gln Arg Ala Gly Gly Leu Cys Leu Lys Arg Ser
1 5 10 15

Leu Gln Ile Val Phe Glu Lys Ile Thr Gln Asn Gln Pro Trp Xaa Tyr
20 25 30

Leu Arg Gln Glu Gly Lys Tyr Phe Lys Arg Leu Cys Glu Phe Val Ser
35 40 45

Val His Leu Phe Phe Val Glu Tyr Ile Leu Leu Ile
50 55 60

<210> 247

<211> 48

<212> PRT

<213> Homo sapiens

<400> 247

Met Gln Gln Asp Ser Tyr Ser Val Asn Trp Tyr Ser Leu Tyr Arg Gly
1 5 10 15

Gln Leu Lys Lys His Phe Phe Asp Gln Ala Ile Pro Leu Leu Gly Ile
20 25 30

His Pro Thr Asp Ile Leu Ser His Ile Leu Lys Asn Arg Pro Gly Thr
35 40 45

<210> 248
 <211> 103
 <212> PRT
 <213> Homo sapiens

<400> 248
 Ile Ile Leu Ala Leu Phe Arg Asp Arg Val Ser Pro Ser Phe Arg Leu
 1 5 10 15
 Ala Tyr Ser Gly Ala Ile Met Ala His Cys His Leu Gln Leu Leu Gly
 20 25 30
 Leu Arg Asp Pro Pro Thr Ser Ala Ser Ala Val Ala Gly Ser Thr Gly
 35 40 45
 Gln Cys His His Gly Trp Ala Asn Ala Ala Lys Phe Leu Phe Ser Ile
 50 55 60
 Glu Ile Gly Leu Cys His Phe Ala Gln Ala Gly Leu Glu Leu Val Gly
 65 70 75 80
 Ala Ser Asn Pro Ala Pro Ser Thr Ser Gln Ser Pro Gly Ile Thr Gly
 85 90 95
 Val Ser His Cys Ala Trp Pro
 100

<210> 249
 <211> 38
 <212> PRT
 <213> Homo sapiens

<400> 249
 Met Trp Tyr Met Thr Ile Phe Pro Gly Trp Val Glu Gly Glu Val His
 1 5 10 15
 Arg Asp Ser Trp Val Lys Lys Ser Leu Tyr Ser His Leu Leu Leu Lys
 20 25 30
 Ala Lys Ser Pro Val Gly
 35

<210> 250
 <211> 56
 <212> PRT
 <213> Homo sapiens

<220>

<221> UNSURE

<222> (11)..(19)

<400> 250

Met Phe Thr Asp Val Leu Glu Leu Lys Val Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Gln Asp Met Ser Lys Tyr Ala Trp Leu Phe Ser Ile Met
20 25 30

Cys Met Leu Ser Ile Ser Leu Leu Ser Val Leu Gly Val Glu Leu Thr
35 40 45

Val Leu Gly His Phe Ile Glu Phe
50 55

<210> 251

<211> 37

<212> PRT

<213> Homo sapiens

<400> 251

Met Phe Pro Gly Asn Ile Phe Phe Asn Phe Pro Arg Ser Ser Leu Tyr
1 5 10 15

Ser Arg Gln Thr Ser Leu Ala Val Ser Gln Ile Gly Gln Ala His Ser
20 25 30

Cys Ile Arg Ala Phe
35

<210> 252

<211> 30

<212> PRT

<213> Homo sapiens

<400> 252

Met Val Lys Lys Val Leu Ile Leu Met Thr Leu Tyr Gln Asn Lys Ala
1 5 10 15

Ser Asp Ile Ser Leu Gly Leu Tyr Leu Asp Asp Gln Leu Thr
20 25 30

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<210> 253
<211> 28
<212> PRT
<213> Homo sapiens

<400> 253
Met Val Lys Lys Val Leu Ile Leu Met Thr Leu Tyr Gln Asn Lys Ala
 1             5             10             15

Ser Asp Ile Ser Leu Gly Leu Tyr Leu Met Ile Ser
      20             25

<210> 254
<211> 19
<212> PRT
<213> Homo sapiens

<400> 254
Met Arg Asn Trp Leu Ile Ser Arg Glu Asn Ser Lys Ala His Arg Lys
 1             5             10             15

Ser Arg Cys

<210> 255
<211> 19
<212> PRT
<213> Homo sapiens

<400> 255
Met Arg Asn Trp Leu Ile Ser Arg Glu Asn Ser Lys Ala His Arg Lys
 1             5             10             15

Ser Arg Cys

<210> 256
<211> 93
<212> PRT
<213> Homo sapiens

<400> 256
Met Phe Ser Ser Ala Asn Ser Ile Leu Gly Ala Leu Leu Ile Trp Ala
 1             5             10             15

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Gly Met Ser Trp Leu Pro Ile Glu Ala Val Cys Arg Tyr Pro Leu Pro
20 25 30

Ala Ser Val Pro Ser Glu His Arg Arg Asp Leu Pro Cys Val Ser Leu
35 40 45

His Pro Trp Leu Gln Gly Ser Ser Cys Cys Leu Leu Trp Ser Trp Trp
50 55 60

Gly Pro His Cys His Pro Trp Ile Pro Ser Cys Arg Gln Pro Ala Val
65 70 75 80

Leu Ser Ala Leu Gly Gly Gly Ala Leu Trp Leu Cys
85 90

<210> 257

<211> 121

<212> PRT

<213> Homo sapiens

<400> 257

Met Phe Ser Ser Ala Asn Ser Ile Leu Gly Ala Leu Leu Ile Arg Ala
1 5 10 15

Gly Met Ser Trp Leu Pro Ile Glu Ala Val Cys Arg Tyr Pro Leu Pro
20 25 30

Ala Ser Val Pro Ser Glu His Arg Arg Asp Leu Pro Cys Val Ser Leu
35 40 45

His Pro Trp Leu Gln Gly Ser Ser Cys Cys Leu Leu Trp Ser Trp Trp
50 55 60

Gly Pro His Cys His Pro Trp Ile Pro Ser Cys Arg Gln Pro Cys Cys
65 70 75 80

Pro Gln Cys Thr Gly Arg Arg Gly Cys Ala Val Val Val Leu Ser Leu
85 90 95

His Arg Cys Pro Leu Val Gly Leu Glu Trp Gly Phe Leu Ile Pro Pro
100 105 110

Ser Met Trp Ile Glu Phe Arg Gly Leu
115 120

<210> 258

<211> 20
 <212> PRT
 <213> Homo sapiens

<400> 258
 Met Lys Val Gln Gly Ala Asp Val Ala Ala Ala Ser Tyr Gln Glu
 1 5 10 15

Tyr Leu Thr Lys
 20

<210> 259
 <211> 67
 <212> PRT
 <213> Homo sapiens

<400> 259
 Met Met Pro Ala Trp Val Val Gly Trp Val Gly Ala Glu Ser Thr Pro
 1 5 10 15

Ala Pro Leu Met Lys Arg Gly Gly Arg Cys Phe Leu Ser Leu Val Leu
 20 25 30

Met Cys Pro Leu Gly Trp Trp Gln Leu Gly Leu Leu Arg Ala Thr Pro
 35 40 45

Ser Thr Met Pro Leu Leu Ile Ala Lys Ala Ser Ala Tyr Pro Pro Val
 50 55 60

Leu Asn Thr
 65

<210> 260
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 260
 Met Ser Phe Gln Val His Pro Ser Ile Leu Lys His Lys Tyr Pro Thr
 1 5 10 15

Ile Leu Asn Asn Phe Arg Thr Lys Ile Asn Ile Leu Thr Arg Lys Lys
 20 25 30

His Ala Met Thr Ser Cys Asn Leu Ile Lys Lys Asp Lys Glu Trp Ser
 35 40 45

Ala Pro Ala Pro Ser Cys Ile Pro Leu Ile Val Arg Lys Arg Glu Gly
35 40 45

Pro Ser Cys Leu Cys Pro His Ala Cys Val Thr Ala Ser Leu Phe Thr
50 55 60

Gln Arg Val Val Phe
65

<210> 264

<211> 79

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (4)

<220>

<221> UNSURE

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<222> (38)

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<221> UNSURE

<222> (42)

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<221> UNSURE

<222> (46) .. (47)

<220>

<221> UNSURE

<222> (52)

<220>

<221> UNSURE

<222> (55)

<400> 264

Met Trp Pro Xaa Trp Pro Arg Xaa Lys Pro Gly Gln Lys Glu Lys Gly
1 5 10 15

Pro Asn Phe Phe Phe Xaa Val Trp Ile Val Phe Ser Trp Lys Asn Asn
20 25 30

Leu Gly Cys Pro Asn Xaa Cys His Phe Xaa Thr Val His Xaa Xaa Ile
35 40 45

Thr Ser Ser Xaa Met Ser Xaa Asp Thr Asp Thr Gly Ser Asn Leu Thr
50 55 60

Leu Tyr Ser Met Thr Gly Leu Lys Ile Arg Pro Lys Gly Ile Ile
65 70 75

<210> 265

<211> 25

<212> PRT

<213> Homo sapiens

<400> 265

Met Ile Ser Glu Lys Leu Gly Gly Val Lys Cys Pro Gly Lys Lys Gly
1 5 10 15

Leu Gly Leu Gln Arg Tyr Thr Gln Met
20 25

<210> 266

<211> 59

<212> PRT

<213> Homo sapiens

<400> 266

Met Ala Thr Thr Thr Leu Thr Leu Ala Tyr Tyr Leu Ile Gln Leu Pro
1 5 10 15

Ser Lys Thr Asp Thr Ser Phe Leu Leu His Phe Asp Ile Ile Cys Gln
20 25 30

Val Cys Phe Ile Pro Ser Tyr Ile Lys Asn Glu Ser Thr Val Gln Leu
35 40 45

Tyr Ser Arg Arg His Leu Ser Tyr Lys Thr Val
50 55

2024-25

<211> 88

<212> PR

<213> Hon

<400> 26'

Met Leu Phe Phe Phe Val Asp Phe Lys Ser Glu His Phe Arg Thr Met
1 5 10 15

Lys Ile Phe Gln Arg Thr Ser Asp Ser Val Leu Leu Thr Phe Ala Tyr
20 25 30

Gly His Ser Asp Thr Ile Thr Ser Ser Ala Tyr Leu Ile Cys Arg Tyr
35 40 45

Leu Asp Ser Asn Gln Asp Leu Glu Asn Gln Arg Phe Arg Glu Asn Lys
50 55 60

Lys Lys Leu Arg Lys Ala Gln Asn Met Gln Phe Ser Lys Ile Phe Arg
65 70 75 80

Leu Ile His Lys Tyr Ser Thr Cys
85

<210> 26

<211> 46

<212> PR

<213> Homo sapiens

<400> 26

Met His His Ser Asn Thr Phe Leu Arg Val Lys Val Ile Ile Lys Asn
1 5 10 15

Tyr Leu Tyr Leu Leu Lys Tyr Ser Leu Lys Leu Trp Phe Leu Met Ser
20 25 30

Tyr Tyr Ser Ile Phe Glu Gly Ile Met Leu Tyr Leu Ile Asn
35 40 45

<210> 26

<211> 60

<212> PR

<213> Homo sapiens

<400> 26

Met Ser Leu Phe Lys Met Ser Phe Thr Ser Ala Gly Gln Glu Gln Ser
 1 5 10 15

Tyr Met Ala Tyr Pro Gln Met Pro Pro Phe Val Phe Thr Met Thr Ala
 20 25 30

Asn Gln Gln Leu Thr Thr Gln Ser Leu Val His Pro Val Thr His Ser
 35 40 45

Leu Lys Pro His Phe Ile Phe Pro Gly Phe Phe Ile
 50 55 60

<210> 270

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (10)

<400> 270

Met Cys Glu Lys Phe Tyr Ile Lys Cys Xaa Lys Lys Ile Ser Ala Ser
 1 5 10 15

Met Arg Leu Pro Arg Asn Leu Gly Ala Phe Ile Lys Ile Thr Pro Asn
 20 25 30

Lys Arg Asn Tyr Arg Arg Lys Lys Glu Lys Met Lys Thr Arg Thr Phe
 35 40 45

Glu Leu Lys Asn Thr Val Glu Lys Lys Phe Met Glu Lys Met Gln Lys
 50 55 60

Phe Lys Ile Lys Ile
 65

<210> 271

<211> 96

<212> PRT

<213> Homo sapiens

<400> 271

Met Pro Val Tyr Ser Leu Leu Gln Ile Pro Pro Gly Glu Ala Thr Leu
 1 5 10 15

Lys Ile Pro Asp Lys Leu Lys Phe Ile Asn Leu Ile Leu Leu Ser Pro
20 25 30

Val Ser Pro Ile Ile Val Pro Ile Ala Asp Thr Ile Pro Asn Leu His
35 40 45

Ser Cys Ser Ala Arg His Glu Ser Arg Lys Trp Gly Leu Ile Leu Pro
50 55 60

Ala Thr Leu Val Ser Asn Tyr Ser Glu Lys Glu Val Asp Val Leu Ile
65 70 75 80

Asp Gly Lys Ile Glu Met Ile Phe Leu Gly Glu Ile Phe Leu Arg Ser
85 90 95

<210> 272

<211> 48

<212> PRT

<213> Homo sapiens

<400> 272

Met Gly Tyr Ile Leu Lys Leu Phe His Tyr Leu Asn Pro Leu Val Ser
1 5 10 15

Val Val Leu Leu Leu Ser Lys Glu Gln Ser Phe Phe Phe His Thr Asn
20 25 30

Gly Val Gly Gln Asn Ile Lys Ala Ser Val Ile Trp Lys Ser Ser Arg
35 40 45

<210> 273

<211> 38

<212> PRT

<213> Homo sapiens

<400> 273

Met Asn Phe Tyr Arg Pro Arg Asn Ser Ser His Tyr Leu Thr Asn Phe
1 5 10 15

Ser Val Cys Val Glu Thr Val Thr Ser Leu Tyr Ser Glu Gly Ile Ala

20

25

30

Thr Tyr Asn Val Thr Asn
35

<210> 274

<211> 42

<212> PRT

<213> Homo sapiens

<400> 274

Met Ala Ala Ile Ser Arg Pro Val Lys Ile His Leu Pro Lys Glu Asn
1 5 10 15

His Ser Phe Phe Phe Phe Phe Trp Arg Trp Ser Phe Ala Leu Val Ala
20 25 30

Gln Ala Gly Val Pro Arg Pro Arg Pro Arg
35 40

<210> 275

<211> 30

<212> PRT

<213> Homo sapiens

<400> 275

Met Leu Phe Trp Thr Leu Gly Ser Val Ile Tyr Tyr Val Cys Pro Ser
1 5 10 15

Ile Glu Val Ser Leu Thr Leu Ser Lys Ile Pro Phe Thr Asn
20 25 30

<210> 276

<211> 244

<212> PRT

<213> Homo sapiens

<400> 276

Leu Leu Gly Thr Ala Phe Gln Leu Phe Gly Tyr Glu Glu Asn Ala Val
1 5 10 15

Gln Ser Leu Gln His Leu Leu Lys Phe Met Ala Ser Asn Lys Ala Ala
20 25 30

Ala Asp Asp Ala Ser Val Ala Ala Ala Ala Gln Ser Phe Phe Gln Arg

[illegible]

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<210> 277
<211> 35
<212> PRT
<213> Homo sapiens
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<400> 277

Met Met Gly Leu Leu Glu Ala Trp Ile Pro Gln Asp Ser Thr Ala Glu
 1 5 10 15
 Trp Ser Asn Thr Gly Ser Thr Ala Asn Gln Arg Gln Cys Tyr Ile Leu
 20 25 30
 Arg Glu Ile
 35

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